

Nr	Question	SPARQL Query	ViziQuer to SPARQL	ViziQuer	Comment
1	What is the revenue of IBM?	PREFIX res: <http://dbpedia.org/resource/> PREFIX onto: <http://dbpedia.org/ontology/> SELECT ?number WHERE { res:IBM onto:revenue ?number }	# ID = 1, # Question = What is the revenue of IBM? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?revenue WHERE{ dbr:IBM dbo:revenue ?revenue. }	dbr:IBM "ID = 1, Question = What is the revenue of IBM?" {+} revenue	OK No results
4	Which airports are located in California, USA?	SELECT DISTINCT ?uri WHERE { ?uri a <http://dbpedia.org/ontology/Airport> { ?uri <http://dbpedia.org/ontology/location> <http://dbpedia.org/resource/California> } UNION { ?uri <http://dbpedia.org/ontology/city> <http://dbpedia.org/resource/California> } UNION { ?uri <http://dbpedia.org/ontology/city> ?city . ?city <http://dbpedia.org/ontology/isPartOf> <http://dbpedia.org/resource/California> } UNION { ?uri <http://dbpedia.org/ontology/operator> <http://dbpedia.org/resource/California> } }	# ID = 4, # Question = Which airports are located in California, USA? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Airport. { ?uri a dbo:Airport. ?uri dbo:location dbr:California. } UNION { ?uri a dbo:Airport. ?uri dbo:city dbr:California. } UNION { ?uri a dbo:Airport. ?uri dbo:city ?city. ?city dbo:isPartOf dbr:California. } UNION { ?uri a dbo:Airport. ?uri dbo:operator dbr:California. } }	select distinct Airport uri "ID = 4, Question = Which airports are located in California, USA?" (select this) ++ [+] city city operator dbr:California location dbr:California isPartOf dbr:California city dbr:California	OK
6	Are Taiko some kind of Japanese musical instrument?	ASK WHERE { <http://dbpedia.org/resource/Taiko> a <http://dbpedia.org/class/yago/WikicatJapaneseMusicalInstruments> }	# ID = 6, # Question = Are Taiko some kind of Japanese musical instrument? PREFIX yago: <http://dbpedia.org/class/yago/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?WikicatJapaneseMusicalInstruments WHERE{ ?WikicatJapaneseMusicalInstruments a yago:WikicatJapaneseMusicalInstruments. FILTER(?WikicatJapaneseMusicalInstruments = dbr:Taiko) } LIMIT 1	yago:WikicatJapaneseMusicalInstruments dbr:Taiko "ID = 6, Question = Are Taiko some kind of Japanese musical instrument?" (select this) show first 1 row(s)	OK ASK

7	Give me all cars that are produced in Germany.	<pre> SELECT DISTINCT ?uri WHERE { ?uri a <http://dbpedia.org/ontology/Automobile> { ?uri <http://dbpedia.org/ontology/assembly> <http://dbpedia.org/resource/Germany> } UNION { ?uri <http://dbpedia.org/property/assembly> <http://dbpedia.org/resource/Germany> } UNION { ?uri <http://dbpedia.org/ontology/manufacturer> ?x } UNION { ?uri <http://dbpedia.org/property/manufacturer> ?x } { ?x <http://dbpedia.org/ontology/locationCountry> <http://dbpedia.org/resource/Germany> } UNION { ?x <http://dbpedia.org/ontology/location> <http://dbpedia.org/resource/Germany> } } </pre>	<pre> # ID = 7, # Question = Give me all cars that are produced in Germany, # # Manually edited PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Automobile. { ?uri a dbo:Automobile. ?uri dbo:assembly dbr:Germany. } UNION { ?uri a dbo:Automobile. { ?x dbo:location dbr:Germany. } } UNION { ?x dbo:locationCountry dbr:Germany. } { ?uri dbo:manufacturer ?x. } UNION { ?uri dbp:manufacturer ?x. } UNION { ?uri a dbo:Automobile. ?uri dbp:assembly dbr:Germany. } } </pre>		Manually edited TO DO: UNION
8	Who founded Intel?	<pre> SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/Intel> <http://dbpedia.org/property/founders> ?uri } </pre>	<pre> # ID = 8, # Question = Who founded Intel? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?founders WHERE{ dbr:Intel dbp:founders ?founders. } </pre>		OK

9	In which city is the headquarter of Air China?	<pre>SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/Air_China> <http://dbpedia.org/ontology/headquarter> ?uri . ?uri a <http://dbpedia.org/class/yago/City108524735> }</pre>	<pre># ID = 9, # Question = In which city is the headquarter of Air China? PREFIX yago: <http://dbpedia.org/class/yago/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a yago:City108524735. dbr:Air_China dbo:headquarter ?uri. }</pre>	<p>select distinct</p> <p>dbr:Air_China</p> <p>"ID = 9, Question = In which city is the headquarter of Air China?"</p> <p>headquarter</p> <p>yago:City108524735</p> <p>uri</p> <p>(select this)</p>	OK
10	How many students does the Free University of Amsterdam have?	<pre>PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?num WHERE { dbr:Vrije_Universiteit_Amsterdam <http://dbpedia.org/ontology/numberOfStudents> ?num }</pre>	<pre># ID = 10, # Question = How many students does the Free University of Amsterdam have? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?numberOfStudents WHERE{ dbr:Vrije_Universiteit_Amsterdam dbo:numberOfStudents ?numberOfStudents. }</pre>	<p>select distinct</p> <p>dbr:Vrije_Universiteit_Amsterdam</p> <p>"ID = 10, Question = How many students does the Free University of Amsterdam have?"</p> <p>{+} numberOfStudents</p>	OK No results

13	Which politicians were married to a German?	<pre> SELECT DISTINCT ?uri WHERE { ?uri a <http://dbpedia.org/ontology/Politician> ; <http://dbpedia.org/ontology/spouse> ?spouse { ?spouse <http://dbpedia.org/ontology/birthPlace> <http://dbpedia.org/resource/Germany> } UNION { ?spouse <http://dbpedia.org/ontology/birthPlace> ?p . ?p <http://dbpedia.org/ontology/country> <http://dbpedia.org/resource/Germany> } } </pre> <pre> # ID = 13, # Question = Which politicians were married to a German? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Politician. { ?spouse dbo:birthPlace dbr:Germany. } UNION { ?spouse dbo:birthPlace ?p. ?p dbo:country dbr:Germany. } ?uri dbo:spouse ?spouse. } </pre>	<p>select distinct</p> <p>Politician</p> <p>uri</p> <p>"ID = 13, Question = Which politicians w ere married to a German?"</p> <p>(select this)</p> <p>spouse</p> <p>spouse</p> <p>[+]</p> <p>++</p> <p>birthPlace</p> <p>dbr:Germany</p> <p>p</p> <p>birthPlace</p> <p>country</p> <p>dbr:Germany</p>	OK
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14	Show me hiking trails in the Grand Canyon where there's no danger of flash floods.	<pre>SELECT DISTINCT ?uri WHERE { ?uri <http://dbpedia.org/property/trailheads> <http://dbpedia.org/resource/Grand_Canyon> FILTER NOT EXISTS { ?uri <http://dbpedia.org/property/hazards> <http://dbpedia.org/resource/Flash_flood> } }</pre> <pre># ID = 14, # Question = Show me hiking trails in the Grand Canyon where there's no danger of flash floods. PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri dbp:trailheads dbr:Grand_Canyon. FILTER(NOT EXISTS{?uri dbp:hazards ?hazards. }) }</pre>	<p>select distinct</p> <p>uri</p> <p>"ID = 14, Question = Show me hiking trails in the Grand Canyon where there's no danger of flash floods."</p> <p>NOT EXISTS dbp:hazards</p> <p>(select this)</p> <p>↓</p> <p>dbp:trailheads</p> <p>dbr:Grand_Canyon</p>	OK	
15	How short is the shortest active NBA player?	<pre>SELECT DISTINCT ?n WHERE { ?x a <http://dbpedia.org/ontology/BasketballPlayer>; <http://dbpedia.org/ontology/league> <http://dbpedia.org/resource/National_Basketball_Association>; <http://dbpedia.org/ontology/height> ?n FILTER NOT EXISTS { ?x <http://dbpedia.org/ontology/activeYearsEndYear> ?d } } ORDER BY ASC(?n) OFFSET 0 LIMIT 1</pre>	<pre># ID = 15, # Question = How short is the shortest active NBA player? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?n WHERE{ ?x a dbo:BasketballPlayer. ?x dbo:league dbr:National_Basketball_Association. ?x dbo:height ?n. FILTER(NOT EXISTS{?x dbo:activeYearsEndYear ?d}) } ORDER BY ?n LIMIT 1</pre>	<p>select distinct</p> <p>BasketballPlayer</p> <p>x</p> <p>"ID = 15, Question = How short is the shortest active NBA player?"</p> <p>NOT EXISTS activeYearsEndYear</p> <p>{+} n<-height</p> <p>order by n</p> <p>show first 1 row(s)</p> <p>↓</p> <p>league</p> <p>dbr:National_Basketball_Association</p>	OK

19	Who became president after JFK died?	<pre>SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/John_F._Kennedy> <http://dbpedia.org/property/presidentEnd> ?x . ?uri <http://dbpedia.org/property/presidentStart> ?x; a <http://dbpedia.org/ontology/Person>.</pre>	<pre># ID = 19, # Question = Who became president after JFK died? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Person. dbr:John_F._Kennedy dbp:presidentEnd ?x. ?uri dbp:presidentStart ?x. }</pre>	<p>select distinct</p> <p>dbr:John_F_Kennedy</p> <p>"ID = 19, Question = Who became president after JFK died?"</p> <p>{h+} x<-dbp:presidentEnd</p> <p style="text-align: center;">↑++</p> <div style="background-color: #e0c0ff; padding: 10px; border-radius: 10px;"> <p style="text-align: center;">Person</p> <p style="text-align: center;">uri</p> <p style="text-align: center;">(select this)</p> <p>{h+} x<-dbp:presidentStart</p> </div>	OK No results
20	How many calories does a baguette have?	<pre>SELECT DISTINCT ?n WHERE { <http://dbpedia.org/resource/Baguette> <http://dbpedia.org/property/calories> ?n }</pre>	<pre># ID = 20, # Question = How many calories does a baguette have? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?calories WHERE{ dbr:Baguette dbp:calories ?calories. }</pre>	<p>select distinct</p> <p>dbr:Baguette</p> <p>"ID = 20, Question = How many calories does a baguette have?"</p> <p>{+} dbp:calories</p>	OK
21	Who created English Wikipedia?	<pre>PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX onto: <http://dbpedia.org/ontology/> SELECT ?uri WHERE { <http://dbpedia.org/resource/Wikipedia> onto:author ?uri }</pre>	<pre># ID = 21, # Question = Who created English Wikipedia? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?author WHERE{ dbr:Wikipedia dbo:author ?author. }</pre>	<p>dbr:Wikipedia</p> <p>"ID = 21, Question = Who created English Wikipedia?"</p> <p>{+} author</p>	OK

22	How many grand-children did Jacques Cousteau have?	<pre>SELECT (COUNT(DISTINCT ?y) AS ?y) WHERE { <http://dbpedia.org/resource/Jacques_Cousteau> <http://dbpedia.org/ontology/child> ?x . ?x <http://dbpedia.org/ontology/child> ?y . }</pre> <pre># ID = 22, # Question = How many grand-children did Jacques Cousteau have? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT (COUNT(DISTINCT ?y) AS ?y_expr) WHERE{ ?x dbo:child ?y. dbr:Jacques_Cousteau dbo:child ?x. }</pre>	<p>y_expr<-count_distinct(.)</p> <p>"ID = 22, Question = How many grand-children did Jacques Cousteau have?"</p>	OK
23	Which software has been published by Mean Hamster Software?	<pre>PREFIX res: <http://dbpedia.org/resource/> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX onto: <http://dbpedia.org/ontology/> PREFIX prop: <http://dbpedia.org/property/> SELECT DISTINCT ?uri WHERE { ?uri rdf:type onto:Software { ?uri prop:publisher "Mean Hamster Software"@en } UNION { ?uri onto:publisher res:Mean_Hamster_Software } }</pre> <pre># ID = 23, # Question = Which software has been published by Mean Hamster Software? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Software. { ?uri a dbo:Software. ?uri dbp:publisher "Mean Hamster Software"@en . } UNION { ?uri a dbo:Software. ?uri dbo:publisher dbr:Mean_Hamster_Software. } }</pre>	<p>select distinct</p> <p>Software</p> <p>uri</p> <p>"ID = 23, Question = Which software has been published by Mean Hamster Software?"</p> <p>(select this)</p>	OK

24	How many emperors did China have?	<pre>SELECT (COUNT(DISTINCT ?uri) AS ?uri) WHERE { ?uri <http://dbpedia.org/property/title> <http://dbpedia.org/resource/Emperor_of_China> . }</pre> <pre># ID = 24, # Question = How many emperors did China have? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT (COUNT(DISTINCT ?uri) AS ?uri) WHERE{ ?uri dbp:title dbr:Emperor_of_China. }</pre>	<p>uri<-count_distinct(.)</p> <p>uri</p> <p>"ID = 24, Question = How many emperors did China have?"</p> <p>↓</p> <p>dbp:title</p> <p>dbr:Emperor_of_China</p>	OK
25	What is the longest river in China?	<pre>SELECT DISTINCT ?uri WHERE { ?uri a <http://dbpedia.org/ontology/River> ; <http://dbpedia.org/ontology/country> <http://dbpedia.org/resource/China> ; <http://dbpedia.org/property/length> ?l } ORDER BY DESC(?l) OFFSET 0 LIMIT 1</pre> <pre># ID = 25, # Question = What is the longest river in China? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:River. ?uri dbo:country dbr:China. ?uri dbp:length ?l. } ORDER BY DESC(?l) LIMIT 1</pre>	<p>select distinct</p> <p>River</p> <p>uri</p> <p>"ID = 25, Question = What is the longest river in China?"</p> <p>(select this)</p> <p>{h+} l<-dbp:length</p> <p>order by l, DESC</p> <p>show first 1 row(s)</p> <p>↓</p> <p>country</p> <p>dbr:China</p>	OK
26	What is the atmosphere of the Moon composed of?	<pre>SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/Moon> <http://dbpedia.org/property/atmosphereComposition> ?uri }</pre> <pre># ID = 26, # Question = What is the atmosphere of the Moon composed of? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?atmosphereComposition WHERE{ dbr:Moon dbp:atmosphereComposition ?atmosphereComposition. }</pre>	<p>select distinct</p> <p>dbr:Moon</p> <p>"ID = 26, Question = What is the atmosphere of the Moon composed of?"</p> <p>{+} dbp:atmosphereComposition</p>	OK

27	Which rivers flow into the North Sea?	<pre>SELECT DISTINCT ?uri WHERE { ?uri a <http://dbpedia.org/ontology/River> ; <http://dbpedia.org/ontology/riverMouth> <http://dbpedia.org/resource/North_Sea> }</pre>	<pre># ID = 27, # Question = Which rivers flow into the North Sea? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:River. ?uri dbo:riverMouth dbr:North_Sea. }</pre>	<p>select distinct River uri "ID = 27, Question = Which rivers flow into the North Sea?" (select this)</p> <p>riverMouth dbr:North_Sea</p>	OK
29	Which countries in the European Union adopted the Euro?	<pre>SELECT DISTINCT ?uri WHERE { ?uri a <http://dbpedia.org/ontology/Country> { ?uri <http://dbpedia.org/ontology/currency> <http://dbpedia.org/resource/Euro> } UNION { ?uri <http://dbpedia.org/property/currencyCode> "EUR"@en } }</pre>	<pre># ID = 29, # Question = Which countries in the European Union adopted the Euro? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Country. { ?uri a dbo:Country. ?uri dbo:currency dbr:Euro. } UNION { ?uri a dbo:Country. ?uri dbp:currenyCode "EUR"@en . } }</pre>	<p>select distinct Country uri "ID = 29, Question = Which countries in the European Union adopted the Euro?" (select this)</p> <p>[+]</p> <p>++ uri dbp:currenyCode = "EUR"@en (select this)</p> <p>++ currency dbr:Euro</p>	OK
31	Who is the mayor of Berlin?	<pre>PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { res:Berlin dbp:leader ?uri }</pre>	<pre># ID = 31, # Question = Who is the mayor of Berlin? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?leader WHERE{ dbr:Berlin dbp:leader ?leader. }</pre>	<p>select distinct dbr:Berlin uri "ID = 31, Question = Who is the mayor of Berlin?" {+} dbp:leader</p>	OK No results

32	What is Angela Merkel's birth name?	<pre>PREFIX res: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> SELECT DISTINCT ?string WHERE { res:Angela_Merkel dbp:birthName ?string }</pre>	<pre># ID = 32, # Question = What is Angela Merkel's birth name? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?birthName WHERE{ dbr:Angela_Merkel dbp:birthName ?birthName.</pre>	<p>select distinct</p> <p>dbr:Angela_Merkel</p> <p>"ID = 32, Question = What is Angela Merkel's birth name?"</p> <p>{+} dbp:birthName</p>	OK
34	Give me all female German chancellors.	<pre>PREFIX res: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> SELECT DISTINCT ?uri WHERE { res:Chancellor_of_Germany dbp:incumbent ?uri }</pre>	<pre># ID = 34, # Question = Give me all female German chancellors. PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?incumbent WHERE{ dbr:Chancellor_of_Germany dbp:incumbent ?incumbent. }</pre>	<p>select distinct</p> <p>dbr:Chancellor_of_Germany</p> <p>"ID = 34, Question = Give me all female German chancellors."</p> <p>{+} dbp:incumbent</p>	OK
37	What are the nicknames of San Francisco?	<pre>PREFIX res: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX foaf:<http://xmlns.com/foaf/0.1/> SELECT DISTINCT ?string WHERE { res:San_Francisco foaf:nick ?string }</pre>	<pre># ID = 37, # Question = What are the nicknames of San Francisco? PREFIX foaf: <http://xmlns.com/foaf/0.1/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?nick WHERE{ dbr:San_Francisco foaf:nick ?nick. }</pre>	<p>select distinct</p> <p>dbr:San_Francisco</p> <p>"ID = 37, Question = What are the nicknames of San Francisco?"</p> <p>{+} foaf:nick</p>	OK
38	Give me all Frisian islands that belong to the Netherlands.	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX yago: <http://dbpedia.org/class/yago/> PREFIX res: <http://dbpedia.org/resource/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT DISTINCT ?uri WHERE { ?uri rdf:type yago:WikicatFrisianIslands ; dbo:country res:Netherlands }</pre>	<pre># ID = 38, # Question = Give me all Frisian islands that belong to the Netherlands. PREFIX yago: <http://dbpedia.org/class/yago/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a yago:WikicatFrisianIslands. ?uri dbo:country dbr:Netherlands. }</pre>	<p>select distinct</p> <p>yago:WikicatFrisianIslands</p> <p>uri</p> <p>"ID = 38, Question = Give me all Frisian islands that belong to the Netherlands."</p> <p>(select this)</p> <p>country</p> <p>dbr:Netherlands</p>	OK

39	Which poet wrote the most books?	<pre>SELECT DISTINCT ?uri WHERE { ?uri <http://dbpedia.org/ontology/occupation> <http://dbpedia.org/resource/Poet> . ?x <http://dbpedia.org/ontology/author> ?uri . ?x <http://www.w3.org/1999/02/22-rdf-syntax- ns#type> <http://dbpedia.org/ontology/Book> . } ORDER BY DESC(COUNT(?x)) OFFSET 0 LIMIT 1</pre>	<pre># ID = 39, # Question = Which poet wrote the most books? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?x a dbo:Book. ?uri dbo:occupation dbr:Poet. ?x dbo:author ?uri. } ORDER BY DESC(COUNT(?x)) LIMIT 1</pre>	<p>select distinct</p> <p>uri</p> <p>"ID = 39, Question = Which poet wrote the most books?"</p> <p>(select this)</p> <p>order by count(x) DESC show first 1 row(s)</p> <p>The diagram illustrates the query's components. A purple box labeled "Book" contains an "x". An arrow labeled "author" points from the "Book" box to another purple box labeled "dbr:Poet". Another arrow labeled "occupation" points from the "Book" box to the same "dbr:Poet" box.</p>	OK
40	Who were the parents of Queen Victoria?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { res:Queen_Victoria dbo:parent ?uri }</pre>	<pre># ID = 40, # Question = Who were the parents of Queen Victoria? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?parent WHERE{ dbr:Queen_Victoria dbo:parent ?parent. }</pre>	<p>select distinct</p> <p>dbr:Queen_Victoria</p> <p>"ID = 40, Question = Who were the parents of Queen Victoria?"</p> <p>{+} parent</p>	OK

42	Which countries have places with more than two caves?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT DISTINCT ?uri WHERE { ?cave rdf:type dbo:Cave ; dbo:location ?uri . ?uri rdf:type dbo:Country } GROUP BY ?uri HAVING (COUNT(?cave) > 2)</pre> <pre># ID = 42, # Question = Which countries have places with more than two caves? # # Manually edited PREFIX dbo: <http://dbpedia.org/ontology/> SELECT ?uri WHERE{ (SELECT ?uri (COUNT(?cave) AS ?c) WHERE{ ?cave a dbo:Cave. ?uri a dbo:Country. ?cave dbo:location ?uri. } GROUP BY ?uri) FILTER(?c >= 2) }</pre>	<p style="text-align: center;">[]</p> <p>"ID = 42, Question = Which countries have places with more than two caves? Manually edited" $c \geq 2$ uri</p> <p style="text-align: right;">++</p> <p>c<-count(.)</p> <p>Cave cave</p> <p>location</p> <p>Country uri (select this)</p>	Manually edited TO DO: HAVING
43	Give me the websites of companies with more than 500000 employees.	<pre>PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX foaf: <http://xmlns.com/foaf/0.1/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> SELECT distinct ?web WHERE { ?sub dbo:numberOfEmployees ?obj . ?sub foaf:homepage ?web FILTER(xsd:integer(?obj) > 500000) . }</pre> <pre># ID = 43, # Question = Give me the websites of companies with more than 500000 employees. PREFIX foaf: <http://xmlns.com/foaf/0.1/> PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> SELECT DISTINCT ?homepage WHERE{ ?sub foaf:homepage ?homepage. ?sub dbo:numberOfEmployees ?numberOfEmployees. BIND(xsd:integer(?numberOfEmployees) AS ?expr_1) FILTER(?expr_1 > 500000) }</pre>	<p style="text-align: center;">select distinct sub</p> <p>"ID = 43, Question = Give me the websites of companies with more than 500000 employees." $xsd:integer(numberOfEmployees) > 500000$ $\{+\} foaf:homepage$</p>	OK

44	Which European countries have a constitutional monarchy?	<pre> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?uri WHERE { ?uri dct:subject dbc:Countries_in_Europe ; dbo:governmentType dbr:Constitutional_monarchy } </pre>	<pre> # ID = 44, # Question = Which European countries have a constitutional monarchy? PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/Category:> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?uri WHERE{ ?uri dct:subject dbc:Countries_in_Europe. ?uri dbo:governmentType dbr:Constitutional_monarchy. } </pre>	<p style="text-align: center;"> uri "ID = 44, Question = Which European countries have a constitutional monarchy?" (select this) </p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #e0e0ff; padding: 5px; border-radius: 10px; text-align: center;"> governmentType dbr:Constitutional_monarchy </div> <div style="background-color: #e0e0ff; padding: 5px; border-radius: 10px; text-align: center;"> dct:subject dbc:Countries_in_Europe </div> </div>	OK
45	Where did Abraham Lincoln die?	<pre> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> SELECT DISTINCT ?uri WHERE { res:Abraham_Lincoln dbo:deathPlace ?uri } </pre>	<pre> # ID = 45, # Question = Where did Abraham Lincoln die? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?deathPlace WHERE{ dbr:Abraham_Lincoln dbo:deathPlace ?deathPlace. } </pre>	<p style="text-align: center;"> select distinct dbr:Abraham_Lincoln "ID = 45, Question = Where did Abraham Lincoln die?" {+} deathPlace </p>	OK
49	Which frequent flyer program has the most airlines?	<pre> SELECT ?uri WHERE { ?airline <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> <http://dbpedia.org/ontology/Airline> . ?airline <http://dbpedia.org/property/frequentFlyer> ?uri. } GROUP BY ?uri ORDER BY DESC(COUNT(DISTINCT ?airline)) OFFSET 0 LIMIT 1 </pre>	<pre> # ID = 49, # Question = Which frequent flyer program has the most airlines? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> SELECT ?uri WHERE{ ?airline a dbo:Airline. ?airline dbp:frequentFlyer ?uri. } ORDER BY DESC(COUNT(DISTINCT ?airline)) LIMIT 1 </pre>	<p style="text-align: center;"> Airline airline "ID = 49, Question = Which frequent flyer program has the most airlines?" {+} uri<-dbp:frequentFlyer order by count(DISTINCT airline), DESC show first 1 row(s) </p>	OK

50	What is the highest volcano in Africa?	<pre>PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX dct: <http://purl.org/dc/terms/> SELECT DISTINCT ?uri WHERE { ?uri a <http://dbpedia.org/ontology/Volcano> ; <http://dbpedia.org/ontology/locatedInArea> ?area . ?area dct:subject dbc:Countries_in_Africa . ?uri <http://dbpedia.org/ontology/elevation> ?elevation } ORDER BY DESC(?elevation) LIMIT 1</pre>	<pre># ID = 50, # Question = What is the highest volcano in Africa? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Volcano. ?uri dbo:locatedInArea ?area. ?area dct:subject dbc:Countries_in_Africa. ?uri dbo:elevation ?elevation. } ORDER BY DESC(?elevation) LIMIT 1</pre>	<p>select distinct</p> <p>Volcano</p> <p>uri</p> <p>"ID = 50, Question = What is the highest volcano in Africa?"</p> <p>(select this)</p> <p>order by elevation, DESC show first 1 row(s)</p>	OK
51	When is the movie Worst Case Scenario going to be in cinemas in the Netherlands?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX dbr: <http://dbpedia.org/resource/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX foaf: <http://xmlns.com/foaf/0.1/> SELECT DISTINCT ?rel WHERE { <http://dbpedia.org/resource/Worst_Case_Scenario_(film)> ?p ?o ; dbo:releaseDate ?rel FILTER contains(lcase(str(?o)), "netherlands") }</pre>	<pre># ID = 51, # Question = When is the movie Worst Case Scenario going to be in cinemas in the Netherlands? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX foaf: <http://xmlns.com/foaf/0.1/> SELECT DISTINCT ?releaseDate WHERE{ <http://dbpedia.org/resource/Worst_Case_Scenario_(film)> ?p ?o. <http://dbpedia.org/resource/Worst_Case_Scenario_(film)> dbo:releaseDate ?releaseDate. FILTER(CONTAINS(LCASE(STR(?o)), "netherlands")) }</pre>	<p>select distinct</p> <p>dbr:Worst_Case_Scenario_(film)</p> <p>"ID = 51, Question = When is the movie Worst Case Scenario going to be in cinemas in the Netherlands?"</p> <p>contains(lcase(str(o)), "netherlands")</p> <p>{h+} o<-??p</p> <p>{+} releaseDate</p>	OK

52	Give me all movies with Tom Cruise.	<pre> PREFIX res: <http://dbpedia.org/resource/> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX onto: <http://dbpedia.org/ontology/> PREFIX prop: <http://dbpedia.org/property/> SELECT DISTINCT ?uri WHERE { ?uri rdf:type onto:Film { ?uri prop:starring res:Tom_Cruise } UNION { ?uri onto:starring res:Tom_Cruise } OPTIONAL { ?uri rdfs:label ?string FILTER (lang(?string) = "en") } }</pre>	<pre> # ID = 52, # Question = Give me all movies with Tom Cruise. PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Film. { ?uri a dbo:Film. ?uri dbp:starring dbr:Tom_Cruise. } UNION { ?uri a dbo:Film. ?uri dbo:starring dbr:Tom_Cruise. } OPTIONAL{?uri rdfs:label ?string. FILTER(LANG(?string) = 'en')}</pre>	<p>Film</p> <p>uri</p> <p>"ID = 52, Question = Give me all movies w ith Tom Cruise." (select this) {h} string<-rdfs:label@en</p> <p>[+]</p> <p>++</p> <p>starring dbr:Tom_Cruise</p> <p>dbp:starring dbr:Tom_Cruise</p>	OK
56	How many seats does the home stadium of FC Porto have?	<pre> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX db: <http://dbpedia.org/> SELECT ?capacity WHERE { { dbr:FC_Porto dbo:ground ?ground . ?ground dbo:capacity ?capacity } UNION { dbr:FC_Porto dbo:ground ?ground . ?ground dbp:capacity ?capacity } }</pre>	<pre> # ID = 56, # Question = How many seats does the home stadium of FC Porto have? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?capacity WHERE{ { dbr:FC_Porto dbo:ground ?ground. FILTER(BOUND(?capacity)) } UNION { dbr:FC_Porto dbo:ground ?ground. ?ground dbp:capacity ?capacity. }}</pre>	<p>[+]</p> <p>"ID = 56, Question = How many seats does the home stadium of FC Porto have?"</p> <p>++</p> <p>dbr:FC_Porto</p> <p>++</p> <p>dbr:FC_Porto</p> <p>ground ground</p> <p>ground {+} capacity</p> <p>dbp:capacity capacity (select this)</p>	OK

59	Which space probes were sent into orbit around the sun?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX dct: <http://purl.org/dc/terms/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT DISTINCT ?s WHERE { ?s dct:subject dbc:Missions_to_the_Sun ; rdf:type ?type FILTER (?type IN (dbo:Satellite, dbo:ArtificialSatellite)) }</pre>	<pre># ID = 59, # Question = Which space probes were sent into orbit around the sun? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT DISTINCT ?s WHERE{ ?s a ?type. ?s dct:subject dbc:Missions_to_the_Sun. FILTER(?type IN (dbo:Satellite, dbo:ArtificialSatellite)) }</pre>	<p>select distinct</p> <p>??type</p> <p>s</p> <p>"ID = 59, Question = Which space probes were sent into orbit around the sun?" type IN(dbo:Satellite, dbo:ArtificialSatellite) (select this)</p> <p style="text-align: center;">↓ dct:subject dbc:Missions_to_the_Sun</p>	OK
60	Who is the governor of Texas?	<pre>PREFIX res: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> SELECT DISTINCT ?string WHERE { res:Texas dbp:governor ?string }</pre>	<pre># ID = 60, # Question = Who is the governor of Texas? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?governor WHERE{ dbr:Texas dbp:governor ?governor. }</pre>	<p>select distinct</p> <p>dbr:Texas</p> <p>"ID = 60, Question = Who is the governor of Texas?" {+} dbp:governor</p>	OK
62	What is the highest place of Karakoram?	<pre>PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { res:Karakoram dbp:highest ?uri }</pre>	<pre># ID = 62, # Question = What is the highest place of Karakoram? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?highest WHERE{ dbr:Karakoram dbp:highest ?highest. }</pre>	<p>select distinct</p> <p>dbr:Karakoram</p> <p>"ID = 62, Question = What is the highest place of Karakoram?" {+} dbp:highest</p>	OK
63	Who was called Scarface?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> SELECT ?uri WHERE { ?uri dbo:alias ?alias FILTER contains(lcase(?alias), "scarface") }</pre>	<pre># ID = 63, # Question = Who was called Scarface? PREFIX dbo: <http://dbpedia.org/ontology/> SELECT ?uri WHERE{ ?uri dbo:alias ?alias. FILTER(CONTAINS(LCASE(?alias), "scarface")) }</pre>	<p>uri</p> <p>"ID = 63, Question = Who was called Scarface?" contains(lcase(alias), "scarface") (select this) {h+} alias</p>	OK
64	What is the profession of Frank Herbert?	<pre>PREFIX dbpedia2: <http://dbpedia.org/property/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT ?string WHERE { res:Frank_Herbert dbpedia2:occupation ?string }</pre>	<pre># ID = 64, # Question = What is the profession of Frank Herbert? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?occupation WHERE{ dbr:Frank_Herbert dbp:occupation ?occupation. }</pre>	<p>select distinct</p> <p>dbr:Frank_Herbert</p> <p>"ID = 64, Question = What is the profession of Frank Herbert?" {+} dbp:occupation</p>	OK

66	Which artists were born on the same date as Rachel Stevens?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { ?uri a dbo:Artist . dbr:Rachel_Stevens dbo:birthDate ?birthdate . ?uri dbo:birthDate ?birthdate }</pre> <pre># ID = 66, # Question = Which artists were born on the same date as Rachel Stevens? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Artist. ?uri dbo:birthDate ?birthdate. dbr:Rachel_Stevens dbo:birthDate ?birthdate. }</pre>	<p>select distinct</p> <p>Artist uri</p> <p>"ID = 66, Question = Which artists were born on the same date as Rachel Stevens?"</p> <p>(select this) {h+} birthdate<-birthDate</p> <p>++</p> <p>dbr:Rachel_Stevens {h+} birthdate<-birthDate</p>	OK
68	Which country was Bill Gates born in?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX dbr: <http://dbpedia.org/resource/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT DISTINCT ?country WHERE { { dbr:Bill_Gates dbo:birthPlace ?birthPlace . ?birthPlace dbo:country ?country } UNION { dbr:Bill_Gates dbo:birthPlace ?birthPlace . ?birthPlace dbo:isPartOf ?place . ?place dbo:country ?country } }</pre> <pre># ID = 68, # Question = Which country was Bill Gates born in? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?country WHERE{ { dbr:Bill_Gates dbo:birthPlace ?birthPlace. ?birthPlace dbo:country ?country. } UNION { dbr:Bill_Gates dbo:birthPlace ?birthPlace. ?birthPlace dbo:isPartOf ?place. ?place dbo:country ?country. } }</pre>	<p>select distinct</p> <p>[+]</p> <p>"ID = 68, Question = Which country was Bill Gates born in?"</p> <p>++</p> <p>dbr:Bill_Gates</p> <p>birthPlace</p> <p>birthPlace</p> <p>isPartOf</p> <p>place</p> <p>country</p> <p>country (select this)</p> <p>++</p> <p>dbr:Bill_Gates</p> <p>birthPlace</p> <p>birthPlace</p> <p>country</p> <p>country (select this)</p>	OK

71	Give me all spacecr afts that flew to Mars.	<pre> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX dct: <http://purl.org/dc/terms/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT DISTINCT ?s WHERE { ?s dct:subject dbc:Mars_rovers ; rdf:type ?type FILTER (?type IN (dbo:Satellite, dbo:ArtificialSatellite)) }</pre>	<pre> # ID = 71, # Question = Give me all spacecrafts that flew to Mars. PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT DISTINCT ?s WHERE{ ? s a ?type. ? s dct:subject dbc:Mars_rovers. FILTER(?type IN (dbo:Satellite, dbo:ArtificialSatellite)) }</pre>	<p>select distinct</p> <p>??type</p> <p>s</p> <p>"ID = 71, Question = Give me all spacecrafts that flew to Mars." type IN(dbo:Satellite, dbo:ArtificialSatellite) (select this)</p> <p>dct:subject</p> <p>dbc:Mars_rovers</p>	OK
73	How many gold medals did Michael Phelps win at the 2008 Olympic s?	<pre> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> SELECT (Count(?sub) as ?c) WHERE { ?sub dbo:goldMedalist dbr:Michael_Phelps . filter (contains (str(?sub), "2008") && contains (str(?sub), "Olympics")) }</pre>	<pre> # ID = 73, # Question = How many gold medals did Michael Phelps win at the 2008 Olympics? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT (COUNT(?sub) AS ?c) WHERE{ ?sub dbo:goldMedalist dbr:Michael_Phelps . FILTER(CONTAINS(STR(?sub), "2008") && CONTAINS(STR(?sub), "Olympics")) }</pre>	<p>c<count(.)</p> <p>sub</p> <p>"ID = 73, Question = How many gold medals did Michael Phelps win at the 2008 Olympics?" contains(str(sub), "2008") && contains(str(sub), "Olympics")</p> <p>goldMedalist</p> <p>dbr:Michael_Phelps</p>	OK
78	When was the De Beers company founded?	<pre> PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT (xsd:date(?date) as ?date) WHERE { res:De_Beers dbo:foundingYear ?date }</pre>	<pre> # ID = 78, # Question = When was the De Beers company founded? PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?date_expr WHERE{ dbr:De_Beers dbo:foundingYear ?foundingYear. BIND(xsd:date(?foundingYear) AS ?date_expr) }</pre>	<p>select distinct</p> <p>dbr:De_Beers</p> <p>"ID = 78, Question = When was the De Beers company founded?" date_expr<xsd:date(foundingYear)</p>	OK

79	Are there any castles in the United States?	<pre>PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> ASK WHERE { ?uri dct:subject dbc:Castles_in_the_United_States }</pre> <pre># ID = 79, # Question = Are there any castles in the United States? PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT ?uri WHERE{ ?uri dct:subject dbc:Castles_in_the_United_States. } LIMIT 1</pre>	<p>uri</p> <p>"ID = 79, Question = Are there any castles in the United States?"</p> <p>(select this)</p> <p>show first 1 row(s)</p> <p>dct:subject</p> <p>dbc:Castles_in_the_United_States</p>	OK ASK
80	Give me a list of all critically endangered birds.	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf- syntax-ns#> SELECT DISTINCT ?uri WHERE { ?uri rdf:type dbo:Bird { ?uri dbo:conservationStatus "CR" } UNION { ?uri dct:subject dbc:Critically_endangered_animals } }</pre> <pre># ID = 80, # Question = Give me a list of all critically endangered birds. PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Bird. { ?uri a dbo:Bird. ?uri dbo:conservationStatus "CR" . } UNION { ?uri a dbo:Bird. ?uri dct:subject dbc:Critically_endangered_animals. } }</pre>	<p>select distinct</p> <p>Bird</p> <p>uri</p> <p>"ID = 80, Question = Give me a list of all critically endangered birds."</p> <p>(select this)</p> <p>++</p> <p>[+]</p> <p>++</p> <p>uri</p> <p>conservationStatus = "CR" (select this)</p> <p>dct:subject</p> <p>dbc:Critically_endangered_animals</p>	OK

81	Butch Otter is the governor of which U.S. state?	<pre>SELECT DISTINCT ?uri WHERE { ?uri a <http://dbpedia.org/class/yago/WikicatStatesOfTheUnitedStates> ; <http://dbpedia.org/property/governor> <http://dbpedia.org/resource/Butch_Otter> }</pre> <pre># ID = 81, # Question = Butch Otter is the governor of which U.S. state? PREFIX yago: <http://dbpedia.org/class/yago/> PREFIX dbo: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a yago:WikicatStatesOfTheUnitedStates. ?uri dbo:governor dbr:Butch_Otter. }</pre>	<p>select distinct</p> <p>yago:WikicatStatesOfTheUnitedStates</p> <p>uri</p> <p>"ID = 81, Question = Butch Otter is the governor of which U.S. state?" (select this)</p> <p>↓</p> <p>dbp:governor</p> <p>dbr:Butch_Otter</p>	OK No results
82	When was Jack Wolfskin founded?	<pre>PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT (xsd:date(?year) as ?y) WHERE { res:Jack_Wolfskin dbo:foundingYear ?year }</pre> <pre># ID = 82, # Question = When was Jack Wolfskin founded? PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?y WHERE{ dbr:Jack_Wolfskin dbo:foundingYear ?foundingYear. BIND(xsd:date(?foundingYear) AS ?y) }</pre>	<p>select distinct</p> <p>dbr:Jack_Wolfskin</p> <p>uri</p> <p>"ID = 82, Question = When was Jack Wolfskin founded?" y<-xsd:date(foundingYear)</p>	OK
83	Give me all gangsters from the prohibition era.	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { ?uri dbo:occupation dbr:Gangster ; dct:subject dbc:Prohibition-era_gangsters }</pre> <pre># ID = 83, # Question = Give me all gangsters from the prohibition era. PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbr: <http://dbpedia.org/resource/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT DISTINCT ?uri WHERE{ ?uri dbo:occupation dbr:Gangster. ?uri dct:subject dbc:Prohibition-era_gangsters. }</pre>	<p>select distinct</p> <p>uri</p> <p>"ID = 83, Question = Give me all gangsters from the prohibition era." (select this)</p> <p>↓</p> <p>dct:subject</p> <p>dbc:Prohibition-era_gangsters</p> <p>occupation</p> <p>dbr:Gangster</p>	OK
84	Which American presidents were in office during the Vietnam War?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT ?uri WHERE { ?uri dct:subject dbc:Presidents_of_the_United_States . res:Vietnam_War dbo:commander ?uri }</pre> <pre># ID = 84, # Question = Which American presidents were in office during the Vietnam War? PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?uri WHERE{ ?uri dct:subject dbc:Presidents_of_the_United_States . dbr:Vietnam_War dbo:commander ?uri. }</pre>	<p>select distinct</p> <p>uri</p> <p>"ID = 84, Question = Which American presidents were in office during the Vietnam War?" (select this)</p> <p>↑</p> <p>commander</p> <p>dbr:Vietnam_War</p> <p>dct:subject</p> <p>dbc:Presidents_of_the_United_States</p>	OK

86	What is the highest mountain in Germany?	<pre>PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX onto: <http://dbpedia.org/ontology/> SELECT ?uri WHERE { ?uri rdf:type onto:Mountain ; onto:elevation ?elevation ; onto:locatedInArea <http://dbpedia.org/resource/Germany> } ORDER BY DESC(?elevation) LIMIT 1</pre>	<pre># ID = 86, # Question = What is the highest mountain in Germany? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?uri WHERE{ ?uri a dbo:Mountain. ?uri dbo:locatedInArea dbr:Germany. ?uri dbo:elevation ?elevation. } ORDER BY DESC(?elevation) LIMIT 1</pre>	<p>Mountain uri</p> <p>"ID = 86, Question = What is the highest mountain in Germany?" (select this) order by elevation, DESC show first 1 row(s)</p> <p>↓ locatedInArea</p> <p>dbr:Germany</p>	OK
87	Which book has the most pages?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT DISTINCT ?uri WHERE { ?uri rdf:type dbo:Book ; dbo:numberOfPages ?n } ORDER BY DESC(?n) OFFSET 0 LIMIT 1</pre>	<pre># ID = 87, # Question = Which book has the most pages? PREFIX dbo: <http://dbpedia.org/ontology/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Book. ?uri dbo:numberOfPages ?n. } ORDER BY DESC(?n) LIMIT 1</pre>	<p>select distinct Book uri</p> <p>"ID = 87, Question = Which book has the most pages?" (select this) {h+} n<-numberOfPages order by n, DESC show first 1 row(s)</p>	OK
88	What is the wavelength of Indigo?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?n WHERE { dbr:Indigo dbo:wavelength ?n }</pre>	<pre># ID = 88, # Question = What is the wavelength of Indigo? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?wavelength WHERE{ dbr:Indigo dbo:wavelength ?wavelength. }</pre>	<p>dbr:Indigo</p> <p>"ID = 88, Question = What is the wavelength of Indigo?" {+} wavelength</p>	OK

92	Is the wife of President Obama called Michelle?	<pre> PREFIX res: <http://dbpedia.org/resource/> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX onto: <http://dbpedia.org/ontology/> ASK WHERE { res:Barack_Obama onto:spouse ?spouse . ?spouse rdfs:label ?name FILTER regex(?name, "Michelle") } </pre>	<pre> # ID = 92, # Question = Is the wife of President Obama called Michelle? PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?dbr:Barack_Obama WHERE{ dbr:Barack_Obama dbo:spouse ?spouse . ?spouse rdfs:label ?label. FILTER(REGEX(?label, "Michelle")) } LIMIT 1 </pre>	<p>dbr:Barack_Obama</p> <p>"ID = 92, Question = Is the wife of President Obama called Michelle?"</p> <p>(select this)</p> <p>show first 1 row(s)</p>	OK ASK
94	When did princess Diana die?	<pre> PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> SELECT DISTINCT (xsd:date(?d) as ?dd) WHERE { <http://dbpedia.org/resource/Diana,_Princess_of_Wales> <http://dbpedia.org/ontology/deathDate> ?d } </pre>	<pre> # ID = 94, # Question = When did princess Diana die? PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> SELECT DISTINCT ?dd WHERE{ <http://dbpedia.org/resource/Diana\,_Princess_of_Wales> dbo:deathDate ?deathDate. BIND(xsd:date(?deathDate) AS ?dd) } </pre>	<p>dbr:Diana,_Princess_of_Wales</p> <p>"ID = 94, Question = When did princess Diana die?"</p> <p>dd<-xsd:date(deathDate)</p>	OK No results

95	Who is the youngest player in the Premier League?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { ?uri dbo:team ?team . ?league dbo:league res:Premier_League . ?league dbo:team ?team . ?uri dbo:birthDate ?date } ORDER BY DESC(?date) LIMIT 1</pre> <pre># ID = 95, # Question = Who is the youngest player in the Premier League? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri dbo:team ?team. ?league dbo:team ?team. ?league dbo:league dbr:Premier_League. ?uri dbo:birthDate ?date. } ORDER BY DESC(?date) LIMIT 1</pre>	<p>select distinct uri "ID = 95, Question = Who is the youngest player in the Premier League?" (select this) {h+} date<-birthDate order by date, DESC show first 1 row(s)</p>	OK
96	Which professional surfers were born on the Philippines?	<pre>PREFIX dbr: <http://dbpedia.org/resource/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { ?uri dbo:occupation dbr:Surfer ; dbo:birthPlace res:Philippines }</pre> <pre># ID = 96, # Question = Which professional surfers were born on the Philippines? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri dbo:occupation dbr:Surfer. ?uri dbo:birthPlace dbr:Philippines. }</pre>	<p>select distinct uri "ID = 96, Question = Which professional surfers were born on the Philippines?" (select this)</p>	OK No results

97	Give me the official websites of actors of the television show Charmed.	<pre> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX foaf: <http://xmlns.com/foaf/0.1/> PREFIX onto: <http://dbpedia.org/ontology/> SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/Charmed> onto:starring ?actors . ?actors foaf:homepage ?uri } </pre>	<pre> # ID = 97, # Question = Give me the official websites of actors of the television show Charmed. PREFIX foaf: <http://xmlns.com/foaf/0.1/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?homepage WHERE{ dbr:Charmed dbo:starring ?actors. ?actors foaf:homepage ?homepage. } </pre>	<p>select distinct</p> <p>dbr:Charmed</p> <p>"ID = 97, Question = Give me the official websites of actors of the television show Charmed."</p> <p>starring</p> <p>actors</p> <p>{+} foaf:homepage</p>	OK No results
98	Who killed Caesar?	<pre> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT DISTINCT ?uri WHERE { ?uri dct:subject dbc:Assassins_of_Julius_Caesar } </pre>	<pre> # ID = 98, # Question = Who killed Caesar? PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT DISTINCT ?uri WHERE{ ?uri dct:subject dbc:Assassins_of_Julius_Caesar. } </pre>	<p>select distinct</p> <p>uri</p> <p>"ID = 98, Question = Who killed Caesar?"</p> <p>(select this)</p> <p>dct:subject</p> <p>dbc:Assassins_of_Julius_Caesar</p>	OK
99	What is the time zone of Salt Lake City?	<pre> PREFIX res: <http://dbpedia.org/resource/> PREFIX dbo: <http://dbpedia.org/property/> SELECT DISTINCT ?uri WHERE { res:Salt_Lake_City <http://dbpedia.org/ontology/timeZone> ?uri } </pre>	<pre> # ID = 99, # Question = What is the time zone of Salt Lake City? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?timeZone WHERE{ dbr:Salt_Lake_City dbo:timeZone ?timeZone. } </pre>	<p>select distinct</p> <p>dbr:Salt_Lake_City</p> <p>"ID = 99, Question = What is the time zone of Salt Lake City?"</p> <p>{+} timeZone</p>	OK

101	How many companies were founded by the founder of Facebook?	<pre>SELECT (COUNT(DISTINCT ?x) AS ?c) WHERE { <http://dbpedia.org/resource/Facebook> <http://dbpedia.org/ontology/foundedBy> ?uri . ?x <http://dbpedia.org/ontology/foundedBy> ?uri }</pre> <pre># ID = 101, # Question = How many companies were founded by the founder of Facebook? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT (COUNT(DISTINCT ?x) AS ?c) WHERE{ ?x dbo:foundedBy ?uri. dbr:Facebook dbo:foundedBy ?uri. }</pre>	<p>c<-count_distinct(.)</p> <p>x</p> <p>"ID = 101, Question = How many companies were founded by the founder of Facebook?"</p>	OK
102	When did Dracula's creator die?	<pre>PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> SELECT DISTINCT (xsd:date(?date) as ?d) WHERE { <http://dbpedia.org/resource/Count_Dracula> <http://dbpedia.org/ontology/creator> ?x . ?x <http://dbpedia.org/ontology/deathDate> ?date. }</pre> <pre># ID = 102, # Question = When did Dracula's creator die? PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?d WHERE{ dbr:Count_Dracula dbo:creator ?x. dbr:Count_Dracula dbo:date ?date. ?x dbo:deathDate ?date. BIND(xsd:date(?date) AS ?d) }</pre>	<p>select distinct</p> <p>dbr:Count_Dracula</p> <p>"ID = 102, Question = When did Dracula's creator die?"</p> <p>d<-xsd:date(date)</p>	OK
103	Where does Piccadilly start?	<pre>SELECT DISTINCT ?uri WHERE { ?uri <http://dbpedia.org/ontology/routeStart> <http://dbpedia.org/resource/Piccadilly> }</pre> <pre># ID = 103, # Question = Where does Piccadilly start? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri dbo:routeStart dbr:Piccadilly. }</pre>	<p>select distinct</p> <p>uri</p> <p>"ID = 103, Question = Where does Piccadilly start?"</p> <p>(select this)</p>	OK

104	Who is the daughter of Robert Kennedy married to?	<pre>SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/Robert_F._Kennedy> <http://dbpedia.org/ontology/child> ?child . ?child <http://dbpedia.org/ontology/spouse> ?uri }</pre> <pre># ID = 104, # Question = Who is the daughter of Robert Kennedy married to? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?spouse WHERE{ dbr:Robert_F._Kennedy dbo:child ?child. ?child dbo:spouse ?spouse. }</pre>	<p>select distinct dbr:Robert_F._Kennedy "ID = 104, Question = Who is the daughter of Robert Kennedy married to?"</p> <p>↓ child child {+} spouse</p>	OK
105	Which countries have more than ten volcanoes?	<pre>SELECT DISTINCT ?uri WHERE { ?x a <http://dbpedia.org/ontology/Volcano> ; <http://dbpedia.org/ontology/locatedInArea> ?uri . ?uri a <http://dbpedia.org/ontology/Country> } GROUP BY ?uri HAVING (COUNT(?x) > 10)</pre> <pre># ID = 105, # Question = Which countries have more than ten volcanoes? # # Manually edited PREFIX dbo: <http://dbpedia.org/ontology/> SELECT ?uri WHERE{ {SELECT ?uri (COUNT(?x) AS ?c) WHERE{ ?x a dbo:Volcano. ?uri a dbo:Country. ?x dbo:locatedInArea ?uri.} GROUP BY ?uri } FILTER(?c >= 10) }</pre>	<p>[]</p> <p>"ID = 105, Question = Which countries have more than ten volcanoes? Manually edited" c >= 10 uri</p> <p>↓ ++</p> <p>c<-count(.)</p> <p>Volcano</p> <p>x</p> <p>locatedInArea</p> <p>Country</p> <p>uri (select this)</p>	<p>Manually edited</p> <p>TO DO: HAVING</p>

107	Who was the father of Queen Elizabeth II?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT * WHERE { res:Elizabeth_II dbo:parent ?uri . ?uri <http://xmlns.com/foaf/0.1/gender> "male"@en }</pre>	<pre># ID = 107, # Question = Who was the father of Queen Elizabeth II? PREFIX foaf: <http://xmlns.com/foaf/0.1/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ dbr:Elizabeth_II dbo:parent ?uri. ?uri foaf:gender "male"@en . }</pre>	<div style="background-color: orange; padding: 10px;"> select distinct dbr:Elizabeth_II "ID = 107, Question = Who was the father of Queen Elizabeth II?" </div> <div style="background-color: purple; padding: 10px; margin-top: 20px;"> parent uri foaf:gender = "male"@en (select this) </div>	OK
108	When did Paraguay proclaim its independence?	<pre>SELECT DISTINCT ?date WHERE { <http://dbpedia.org/resource/Paraguay> <http://dbpedia.org/ontology/foundingDate> ?date }</pre>	<pre># ID = 108, # Question = When did Paraguay proclaim its independence? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?foundingDate WHERE{ dbr:Paraguay dbo:foundingDate ?foundingDate. }</pre>	<div style="background-color: orange; padding: 10px;"> select distinct dbr:Paraguay "ID = 108, Question = When did Paraguay proclaim its independence?" {+} foundingDate </div>	OK No results
110	Which movies did Kurosawa direct?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT ?uri WHERE { ?uri rdf:type dbo:Film ; dbo:director res:Akira_Kurosawa }</pre>	<pre># ID = 110, # Question = Which movies did Kurosawa direct? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?uri WHERE{ ?uri a dbo:Film. ?uri dbo:director dbr:Akira_Kurosawa. }</pre>	<div style="background-color: orange; padding: 10px;"> Film uri "ID = 110, Question = Which movies did Kurosawa direct?" (select this) </div> <div style="background-color: purple; padding: 10px; margin-top: 20px;"> director dbr:Akira_Kurosawa </div>	OK
111	How many awards has Bertrand Russell?	<pre>PREFIX dbr: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> SELECT (COUNT(?Awards) AS ?Counter) WHERE { dbr:Bertrand_Russell dbp:awards ?Awards }</pre>	<pre># ID = 111, # Question = How many awards has Bertrand Russell? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT (COUNT(?Awards) AS ?Counter) WHERE{ dbr:Bertrand_Russell dbp:awards ?Awards. }</pre>	<div style="background-color: orange; padding: 10px;"> Counter<count(.) Awards "ID = 111, Question = How many awards has Bertrand Russell?" </div> <div style="background-color: purple; padding: 10px; margin-top: 20px;"> awards dbr:Bertrand_Russell </div>	OK

113	Which German cities have more than 250000 inhabitants?	<pre>SELECT DISTINCT ?uri WHERE { { ?uri a <http://dbpedia.org/ontology/City>} UNION { ?uri a <http://dbpedia.org/ontology/Town>} ?uri <http://dbpedia.org/ontology/country> <http://dbpedia.org/resource/Germany> ; <http://dbpedia.org/ontology/populationTotal> ?population FILTER (?population > 250000) }</pre> <pre># ID = 113, # Question = Which German cities have more than 250000 inhabitants? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ { ?uri a dbo:City. } UNION { ?uri a dbo:Town. } ?uri dbo:country dbr:Germany. ?uri dbo:populationTotal ?populationTotal. FILTER(?populationTotal > 250000) }</pre>	<p>select distinct</p> <p>"ID = 113, Question = Which German cities have more than 250000 inhabitants?"</p> <p>populationTotal > 250000</p> <p>(select this)</p> <p>++ [+] ++</p> <p>Town uri (select this)</p> <p>City uri (select this)</p> <p>country dbr:Germany</p>	OK
114	How big is the earth's diameter?	<pre>PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT ((xsd:double(?radius) * 2) AS ?diameter) WHERE { res:Earth dbo:meanRadius ?radius }</pre> <pre># ID = 114, # Question = How big is the earth's diameter? PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?diameter WHERE{ dbr:Earth dbo:meanRadius ?meanRadius_1. BIND(xsd:double(?meanRadius_1) AS ?expr_0) BIND(?expr_0 * 2 AS ?diameter) }</pre>	<p>select distinct</p> <p>"ID = 114, Question = How big is the earth's diameter?"</p> <p>diameter<-xsd:double(meanRadius) * 2</p>	OK
115	How many rivers and lakes are in South Carolina?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX dbr: <http://dbpedia.org/resource/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT (COUNT(DISTINCT ?uri) AS ?count) WHERE { { ?uri dbo:location dbr:South_Carolina ; rdf:type dbo:Lake } UNION { ?uri dct:subject dbc:Rivers_and_streams_of_South_Carolina } }</pre> <pre># ID = 115, # Question = How many rivers and lakes are in South Carolina? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT (COUNT(DISTINCT ?uri) AS ?count) WHERE{ { ?uri a dbo:Lake. ?uri dbo:location dbr:South_Carolina. } UNION { ?uri dct:subject dbr:Category:Rivers_and_streams_of_South_Carolina. } }</pre>	<p>count<-count_distinct(uri)</p> <p>[+]</p> <p>"ID = 115, Question = How many rivers and lakes are in South Carolina?"</p> <p>++ uri ++</p> <p>Lake uri</p> <p>dct:subject</p> <p>location</p> <p>dbr:Category:Rivers_and_streams_of_South_Carolina</p>	OK

116	Who was called Rodzilla?	<pre>SELECT DISTINCT ?uri WHERE { ?uri <http://xmlns.com/foaf/0.1/nick> "Rodzilla"@en }</pre>	<pre># ID = 116, # Question = Who was called Rodzilla? PREFIX foaf: <http://xmlns.com/foaf/0.1/> SELECT DISTINCT ?uri WHERE{ ?uri foaf:nick "Rodzilla"@en . }</pre>	<p>select distinct</p> <p>uri</p> <p>"ID = 116, Question = Who was called Rodzilla?" foaf:nick = "Rodzilla"@en (select this)</p>	OK No results
117	Is Pamela Anderson a vegan?	<pre>PREFIX dbr: <http://dbpedia.org/resource/> ASK WHERE { dbr:Pamela_Anderson a <http://dbpedia.org/class/yago/WikicatAmericanVegans> }</pre>	<pre># ID = 117, # Question = Is Pamela Anderson a vegan? PREFIX yago: <http://dbpedia.org/class/yago/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?WikicatAmericanVegans WHERE{ ?WikicatAmericanVegans a yago:WikicatAmericanVegans. FILTER(?WikicatAmericanVegans = dbr:Pamela_Anderson) } LIMIT 1</pre>	<p>yago:WikicatAmericanVegans</p> <p>dbr:Pamela_Anderson</p> <p>"ID = 117, Question = Is Pamela Anderson a vegan?" (select this) show first 1 row(s)</p>	OK ASK
119	Which instruments does Cat Stevens play?	<pre>SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/Cat_Stevens> <http://dbpedia.org/ontology/instrument> ?uri }</pre>	<pre># ID = 119, # Question = Which instruments does Cat Stevens play? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?instrument WHERE{ dbr:Cat_Stevens dbo:instrument ?instrument.</pre>	<p>select distinct</p> <p>dbr:Cat_Stevens</p> <p>"ID = 119, Question = Which instruments does Cat Stevens play?" {+} instrument</p>	OK No results
120	Who is the daughter of Bill Clinton married to?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { dbr:Bill_Clinton dbo:child ?child . ?child dbo:spouse ?uri . ?uri rdfs:label ?string }</pre>	<pre># ID = 120, # Question = Who is the daughter of Bill Clinton married to? PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ dbr:Bill_Clinton dbo:child ?child. ?child dbo:spouse ?uri. ?uri rdfs:label ?label. }</pre>	<p>select distinct</p> <p>dbr:Bill_Clinton</p> <p>"ID = 120, Question = Who is the daughter of Bill Clinton married to?"</p>	OK

122	Who was the wife of President Lincoln?	<pre>PREFIX dbr: <http://dbpedia.org/resource/> PREFIX onto: <http://dbpedia.org/ontology/> SELECT ?uri WHERE { dbr:Abraham_Lincoln onto:spouse ?uri }</pre> <pre># ID = 122, # Question = Who was the wife of President Lincoln? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?spouse WHERE{ dbr:Abraham_Lincoln dbo:spouse ?spouse. }</pre>	<p>dbr:Abraham_Lincoln</p> <p>"ID = 122, Question = Who was the wife of President Lincoln?" {+} spouse</p>	OK
123	Give me all animals that are extinct.	<pre>SELECT DISTINCT ?uri WHERE { ?uri a <http://dbpedia.org/ontology/Animal> ; <http://dbpedia.org/ontology/conservationStatus> "EX" }</pre> <pre># ID = 123, # Question = Give me all animals that are extinct. PREFIX dbo: <http://dbpedia.org/ontology/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Animal. ?uri dbo:conservationStatus "EX" .</pre>	<p>select distinct</p> <p>Animal</p> <p>uri</p> <p>"ID = 123, Question = Give me all animals that are extinct." conservationStatus = "EX" (select this)</p>	OK
124	When was Carlo Giuliani shot?	<pre>PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> SELECT DISTINCT (xsd:date(?date) as ?d) WHERE { res:Death_of_Carlo_Giuliani dbo:deathDate ?date }</pre> <pre># ID = 124, # Question = When was Carlo Giuliani shot? PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?d WHERE{ dbr:Death_of_Carlo_Giuliani dbo:deathDate ?deathDate. BIND(xsd:date(?deathDate) AS ?d) }</pre>	<p>select distinct</p> <p>dbr:Death_of_Carlo_Giuliani</p> <p>"ID = 124, Question = When was Carlo Giuliani shot?" d<-xsd:date(deathDate)</p>	OK
125	How many years was the Ford Model T manufactured?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX res: <http://dbpedia.org/resource/> SELECT ?years WHERE { res:Ford_Model_T dbo:productionEndYear ?end ; dbo:productionStartYear ?start. BIND ((year(xsd:date(?end)) - year(xsd:date(?start))) AS ?years) }</pre> <pre># ID = 125, # Question = How many years was the Ford Model T manufactured? PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?years WHERE{ dbr:Ford_Model_T dbo:productionEndYear ?productionEndYear_1. dbr:Ford_Model_T dbo:productionStartYear ?productionStartYear_1. BIND(YEAR(xsd:dateTime(?productionEndYear_1)) -YEAR(xsd:dateTime(?productionStartYear_1)) AS ?years) }</pre>	<p>dbr:Ford_Model_T</p> <p>"ID = 125, Question = How many years was the Ford Model T manufactured?" years<-year(productionEndYear) - year(productionStartYear)</p>	OK
126	Sean Parnell was the governor of which U.S. state?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { res:Sean_Parnell dbo:region ?uri }</pre> <pre># ID = 126, # Question = Sean Parnell was the governor of which U.S. state? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?region WHERE{ dbr:Sean_Parnell dbo:region ?region. }</pre>	<p>select distinct</p> <p>dbr:Sean_Parnell</p> <p>"ID = 126, Question = Sean Parnell was the governor of which U.S. state?" {+} region</p>	OK No results

128	Who is the author of WikiLeaks?	<pre>PREFIX res: <http://dbpedia.org/resource/> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX onto: <http://dbpedia.org/ontology/> SELECT ?uri WHERE { res:WikiLeaks onto:author ?uri }</pre>	<pre># ID = 128, # Question = Who is the author of WikiLeaks? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?author WHERE{ dbr:WikiLeaks dbo:author ?author. }</pre>	<p>dbr:WikiLeaks</p> <p>"ID = 128, Question = Who is the author of WikiLeaks?"</p> <p>{+} author</p>	OK
129	Who does the voice of Bart Simpson?	<pre>SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/Bart_Simpson> <http://dbpedia.org/property/voiceactor> ?uri }</pre>	<pre># ID = 129, # Question = Who does the voice of Bart Simpson? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?voiceactor WHERE{ dbr:Bart_Simpson dbp:voiceactor ?voiceactor. }</pre>	<p>select distinct</p> <p>dbr:Bart_Simpson</p> <p>"ID = 129, Question = Who does the voice of Bart Simpson?"</p> <p>{+} dbp:voiceactor</p>	OK No results
131	What languages are spoken in Pakistan?	<pre>SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/Pakistan> <http://dbpedia.org/ontology/language> ?uri }</pre>	<pre># ID = 131, # Question = What languages are spoken in Pakistan? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?language WHERE{ dbr:Pakistan dbo:language ?language. }</pre>	<p>select distinct</p> <p>dbr:Pakistan</p> <p>"ID = 131, Question = What languages are spoken in Pakistan?"</p> <p>{+} language</p>	OK
132	What is Elon Musk famous for?	<pre>SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/Elon_Musk> <http://dbpedia.org/ontology/knownFor> ?uri }</pre>	<pre># ID = 132, # Question = What is Elon Musk famous for? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?knownFor WHERE{ dbr:Elon_Musk dbo:knownFor ?knownFor. }</pre>	<p>select distinct</p> <p>dbr:Elon_Musk</p> <p>"ID = 132, Question = What is Elon Musk famous for?"</p> <p>{+} knownFor</p>	OK No results
133	What are the names of the Teenage Mutant Ninja Turtles?	<pre>PREFIX foaf:<http://xmlns.com/foaf/0.1/> SELECT DISTINCT ?s WHERE { <http://dbpedia.org/resource/Teenage_Mutant_Ninja_Turtles> <http://dbpedia.org/property/members> ?x . ?x foaf:givenName ?s }</pre>	<pre># ID = 133, # Question = What are the names of the Teenage Mutant Ninja Turtles? PREFIX foaf: <http://xmlns.com/foaf/0.1/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?givenName WHERE{ dbr:Teenage_Mutant_Ninja_Turtles dbp:members ?x. ?x foaf:givenName ?givenName. }</pre>	<p>select distinct</p> <p>dbr:Teenage_Mutant_Ninja_Turtles</p> <p>"ID = 133, Question = What are the names of the Teenage Mutant Ninja Turtles?"</p> <p>↓</p> <p>dbp:members</p> <p>x</p> <p>{+} foaf:givenName</p>	OK No results

134	What is Batman's real name?	<pre>SELECT DISTINCT ?label WHERE { <http://dbpedia.org/resource/Batman> <http://xmlns.com/foaf/0.1/name> ?label FILTER (str(?label) != "Batman") }</pre>	<pre># ID = 134, # Question = What is Batman's real name? PREFIX foaf: <http://xmlns.com/foaf/0.1/> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?label WHERE{ dbr:Batman foaf:name ?label. FILTER(STR(?label) != "Batman") }</pre>	<p>select distinct</p> <p>dbr:Batman</p> <p>"ID = 134, Question = What is Batman's real name?" str(label) != "Batman" {+} label<-foaf:name</p>	OK
135	When did Michael Jackson die?	<pre>SELECT DISTINCT ?date WHERE { <http://dbpedia.org/resource/Michael_Jackson> <http://dbpedia.org/ontology/deathDate> ?date }</pre>	<pre># ID = 135, # Question = When did Michael Jackson die? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?deathDate WHERE{ dbr:Michael_Jackson dbo:deathDate ?deathDate. }</pre>	<p>select distinct</p> <p>dbr:Michael_Jackson</p> <p>"ID = 135, Question = When did Michael Jackson die?" {+} deathDate</p>	OK
136	How many moons does Mars have?	<pre>SELECT DISTINCT ?n WHERE { <http://dbpedia.org/resource/Mars> <http://dbpedia.org/property/satellites> ?n }</pre>	<pre># ID = 136, # Question = How many moons does Mars have? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?satellites WHERE{ dbr:Mars dbp:satellites ?satellites. }</pre>	<p>select distinct</p> <p>dbr:Mars</p> <p>"ID = 136, Question = How many moons does Mars have?" {+} dbp:satellites</p>	OK
137	Give me all Dutch parties.	<pre>SELECT DISTINCT ?uri WHERE { ?uri a <http://dbpedia.org/ontology/PoliticalParty> ; <http://dbpedia.org/ontology/country> <http://dbpedia.org/resource/Netherlands> }</pre>	<pre># ID = 137, # Question = Give me all Dutch parties. PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:PoliticalParty. ?uri dbo:country dbr:Netherlands. }</pre>	<p>select distinct</p> <p>PoliticalParty</p> <p>uri</p> <p>"ID = 137, Question = Give me all Dutch parties." (select this)</p> <p style="text-align: center;">↓ country</p> <p>dbr:Netherlands</p>	OK

138	Give me the capitals of all countries in Africa.	<pre> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX dct: <http://purl.org/dc/terms/> SELECT DISTINCT ?uri WHERE { ?country dct:subject dbc:Countries_in_Africa ; dbo:capital ?uri } </pre> <pre> # ID = 138, # Question = Give me the capitals of all countries in Africa. PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT DISTINCT ?capital WHERE{ ?country dct:subject dbc:Countries_in_Africa. ?country dbo:capital ?capital. } </pre>	<p>select distinct</p> <p>country</p> <p>"ID = 138, Question = Give me the capitals of all countries in Africa."</p> <p>{+} capital</p>	OK
139	Which professional surfers were born in Australia?	<pre> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { { ?uri dbo:occupation res:Surfer ; dbo:birthPlace res:Australia } UNION { ?uri dbo:occupation res:Surfer ; dbo:birthPlace ?place . ?place dbo:country res:Australia } } </pre> <pre> # ID = 139, # Question = Which professional surfers were born in Australia? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?uri WHERE{ { ?uri dbo:occupation dbr:Surfer. ?uri dbo:birthPlace dbr:Australia. } UNION { ?uri dbo:occupation dbr:Surfer. ?uri dbo:birthPlace ?place. ?place dbo:country dbr:Australia. }} </pre>	<p>select distinct</p> <p>[+]</p> <p>"ID = 139, Question = Which professional surfers were born in Australia?"</p>	OK No results

140	How many scientists graduated from an Ivy League university?	<pre>SELECT (COUNT(DISTINCT ?uri) AS ?c) WHERE { ?uri a <http://dbpedia.org/ontology/Scientist>; <http://dbpedia.org/ontology/almaMater> ?university . ?university <http://dbpedia.org/ontology/affiliation> <http://dbpedia.org/resource/Ivy_League> ; a <http://dbpedia.org/ontology/University> }</pre> <pre># ID = 140, # Question = How many scientists graduated from an Ivy League university? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT (COUNT(DISTINCT ?uri) AS ?c) WHERE{ ?uri a dbo:Scientist. ?university a dbo:University. ?uri dbo:almaMater ?university. ?university dbo:affiliation dbr:Ivy_League. }</pre>	<p>c<-count_distinct(.)</p> <p>Scientist uri</p> <p>"ID = 140, Question = How many scientists graduated from an Ivy League university?"</p> <p>↓ almaMater</p> <p>University university</p> <p>↓ affiliation</p> <p>dbr:Ivy_League</p>	OK
141	Which languages are spoken in Estonia?	<pre>SELECT DISTINCT ?uri WHERE { ?uri <http://dbpedia.org/ontology/spokenIn> <http://dbpedia.org/resource/Estonia> }</pre> <pre># ID = 141, # Question = Which languages are spoken in Estonia? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri dbo:spokenIn dbr:Estonia. }</pre>	<p>select distinct</p> <p>uri</p> <p>"ID = 141, Question = Which languages are spoken in Estonia?"</p> <p>(select this)</p> <p>↓ spokenIn</p> <p>dbr:Estonia</p>	OK
143	What is the area code of Berlin?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT ?string WHERE { res:Berlin dbo:areaCode ?string }</pre> <pre># ID = 143, # Question = What is the area code of Berlin? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?areaCode WHERE{ dbr:Berlin dbo:areaCode ?areaCode. }</pre>	<p>select distinct</p> <p>dbr:Berlin</p> <p>"ID = 143, Question = What is the area code of Berlin?"</p> <p>{+} areaCode</p>	OK

144	Whom did Lance Bass marry?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> SELECT DISTINCT ?uri WHERE { {<http://dbpedia.org/resource/Lance_Bass> dbo:spouse ?uri} UNION {?uri dbo:spouse <http://dbpedia.org/resource/Lance_Bass>} }</pre>	<pre># ID = 144, # Question = Whom did Lance Bass marry? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?uri WHERE{ { dbr:Lance_Bass dbo:spouse ?uri. } UNION { ?uri dbo:spouse dbr:Lance_Bass. }}</pre>	<p>select distinct</p> <p>[+]</p> <p>"ID = 144, Question = Whom did Lance Bass marry?"</p>	OK No results
145	Who owns Aldi?	<pre>PREFIX res: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> SELECT DISTINCT ?uri WHERE { res:Aldi dbp:founders ?uri }</pre>	<pre># ID = 145, # Question = Who owns Aldi? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?founders WHERE{ dbr:Aldi dbp:founders ?founders. }</pre>	<p>select distinct</p> <p>dbr:Aldi</p> <p>"ID = 145, Question = Who owns Aldi?"</p> <p>{+} dbp:founders</p>	OK
148	What is the largest state in the United States?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT ?uri WHERE { ?uri dct:subject dbc:States_of_the_United_States ; rdf:type dbo:AdministrativeRegion ; dbo:areaTotal ?area } ORDER BY DESC(?area) OFFSET 0 LIMIT 1</pre>	<pre># ID = 148, # Question = What is the largest state in the United States? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT ?uri WHERE{ ?uri a dbo:AdministrativeRegion. ?uri dct:subject dbc:States_of_the_United_States. ?uri dbo:areaTotal ?area. } ORDER BY DESC(?area) LIMIT 1</pre>	<p>AdministrativeRegion</p> <p>uri</p> <p>"ID = 148, Question = What is the largest state in the United States?"</p> <p>(select this)</p> <p>{h+} area<-areaTotal</p> <p>order by area, DESC</p> <p>show first 1 row(s)</p>	OK

149	Which U.S. state has the highest population density?	<pre>SELECT ?uri WHERE { ?uri <http://dbpedia.org/ontology/country> <http://dbpedia.org/resource/United_States> . ?uri <http://dbpedia.org/ontology/capital> ?capital . ?uri <http://dbpedia.org/property/densityrank> ?density . OPTIONAL {?uri <http://www.w3.org/2000/01/rdf-schema#label> ?string. FILTER (lang(?string) = 'en') } } ORDER BY ASC(?density) LIMIT 1</pre> <pre># ID = 149, # Question = Which U.S. state has the highest population density? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?uri WHERE{ ?uri dbo:country dbr:United_States. ?uri dbo:capital ?capital. ?uri dbp:densityrank ?density. OPTIONAL{?uri rdfs:label ?string. FILTER(LANG(?string) = 'en')} } ORDER BY ?density LIMIT 1</pre>	<p>uri "ID = 149, Question = Which U.S. state has the highest population density?" (select this) {h+} capital {h+} density<-dbp:densityrank {h} string<-rdfs:label@en order by density show first 1 row(s)</p> <p>country dbr:United_States</p>	OK No results
150	In which city was the president of Montenegro born?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { ?x <http://dbpedia.org/property/title> dbr:President_of_Montenegro ; dbo:birthPlace ?uri . ?uri dbo:type dbr:Capital_city }</pre> <pre># ID = 150, # Question = In which city was the president of Montenegro born? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?x dbp:title dbr:President_of_Montenegro. ?x dbo:birthPlace ?uri. ?uri dbo:type dbr:Capital_city. }</pre>	<p>select distinct x "ID = 150, Question = In which city was the president of Montenegro born?"</p> <p>birthPlace uri (select this)</p> <p>dbp:title dbr:President_of_Montenegro</p> <p>type dbr:Capital_city</p>	OK

151	Give me all B-sides of the Ramones.	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> SELECT DISTINCT ?string WHERE { ?x dbo:musicalArtist res:Ramones ; dbo:bSide ?string }</pre> <pre># ID = 151, # Question = Give me all B-sides of the Ramones. PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/resource/> SELECT DISTINCT ?bSide WHERE{ ?x dbo:musicalArtist dbp:Ramones. ?x dbo:bSide ?bSide. }</pre>	<p>select distinct</p> <p>"ID = 151, Question = Give me all B-sides of the Ramones."</p> <p>{+} bSide</p> <p>↓ musicalArtist</p> <p>dbr:Ramones</p>	OK No results
152	Which beer brewing companies are located in North-Rhine Westphalia?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT ?company WHERE { ?company dct:subject dbc:Companies_based_in_North_Rhine-Westphalia ; rdf:type dbo:Brewery }</pre> <pre># ID = 152, # Question = Which beer brewing companies are located in North-Rhine Westphalia? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT ?company WHERE{ ?company a dbo:Brewery. ?company dct:subject dbc:Companies_based_in_North_Rhine-Westphalia. }</pre>	<p>Brewery company</p> <p>"ID = 152, Question = Which beer brewing companies are located in North-Rhine Westphalia?"</p> <p>(select this)</p> <p>↓ dct:subject</p> <p>dbc:Companies_based_in_North_Rhine-Westphalia</p>	OK
154	Which books were written by Danielle Steel?	<pre>PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX foaf: <http://xmlns.com/foaf/0.1/> PREFIX onto: <http://dbpedia.org/ontology/> SELECT ?uri WHERE { ?uri rdf:type onto:Book ; onto:author <http://dbpedia.org/resource/Danielle_Steel> }</pre> <pre># ID = 154, # Question = Which books were written by Danielle Steel? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?uri WHERE{ ?uri a dbo:Book. ?uri dbo:author dbr:Danielle_Steel. }</pre>	<p>Book uri</p> <p>"ID = 154, Question = Which books were written by Danielle Steel?"</p> <p>(select this)</p> <p>↓ author</p> <p>dbr:Danielle_Steel</p>	OK
155	What is the nick name of Baghdad?	<pre>PREFIX dbr: <http://dbpedia.org/resource/> PREFIX foaf: <http://xmlns.com/foaf/0.1/> SELECT ?nm WHERE { dbr:Baghdad foaf:nick ?nm }</pre> <pre># ID = 155, # Question = What is the nick name of Baghdad? PREFIX foaf: <http://xmlns.com/foaf/0.1/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?nick WHERE{ dbr:Baghdad foaf:nick ?nick. }</pre>	<p>dbr:Baghdad</p> <p>"ID = 155, Question = What is the nick name of Baghdad?"</p> <p>{+} foaf:nick</p>	OK

156	Where is Fort Knox located?	<pre>SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/Fort_Knox> <http://dbpedia.org/ontology/location> ?uri. ?uri a <http://dbpedia.org/ontology/Place>.</pre>	<pre># ID = 156, # Question = Where is Fort Knox located? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Place. dbr:Fort_Knox dbo:location ?uri. }</pre>	<p>select distinct dbr:Fort_Knox "ID = 156, Question = Where is Fort Knox located?"</p> <p>location</p> <p>Place uri (select this)</p> <p>select distinct dbr:Lovesick_(1983_film) "ID = 157, Question = Give me English actors starring in Lovesick."</p> <p>starring</p> <p>uri (select this)</p> <p>birthPlace</p> <p>city</p> <p>country</p> <p>dbr:United_Kingdom</p>	OK
157	Give me English actors starring in Lovesick .	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/Lovesick_(1983_film)> dbo:starring ?uri . ?uri dbo:birthPlace ?city . ?city dbo:country <http://dbpedia.org/resource/United_Kingdom> }</pre>	<pre># ID = 157, # Question = Give me English actors starring in Lovesick. PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ <http://dbpedia.org/resource/Lovesick_(1983_film)> dbo:starring ?uri. ?uri dbo:birthPlace ?city. ?city dbo:country dbr:United_Kingdom. }</pre>	<p>select distinct dbr:Lovesick_(1983_film) "ID = 157, Question = Give me English actors starring in Lovesick."</p> <p>starring</p> <p>uri (select this)</p> <p>birthPlace</p> <p>city</p> <p>country</p> <p>dbr:United_Kingdom</p>	OK

158	Give me all writers that won the Nobel Prize in literature.	<pre>SELECT DISTINCT ?uri WHERE { ?uri a <http://dbpedia.org/ontology/Writer> ; <http://dbpedia.org/ontology/award> <http://dbpedia.org/resource/Nobel_Prize_in_Literature> }</pre> <pre># ID = 158, # Question = Give me all writers that won the Nobel Prize in literature. PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Writer. ?uri dbo:award dbr:Nobel_Prize_in_Literature. }</pre>	<p>select distinct</p> <p>Writer</p> <p>uri</p> <p>"ID = 158, Question = Give me all writers that won the Nobel Prize in literature." (select this)</p>	OK
159	Which countries are connected by the Rhine?	<pre>PREFIX dbr: <http://dbpedia.org/resource/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbo: <http://dbpedia.org/ontology/> SELECT DISTINCT ?uri WHERE { (<http://dbpedia.org/resource/Rhine> dbo:country ?uri) UNION (dbr:Rhine dbp:country ?uri) }</pre> <pre># ID = 159, # Question = Which countries are connected by the Rhine? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?uri WHERE{ { dbr:Rhine dbo:country ?uri. } UNION { dbr:Rhine dbp:country ?uri. }}</pre>	<p>select distinct</p> <p>[+]</p> <p>"ID = 159, Question = Which countries are connected by the Rhine?"</p>	OK No results
160	Who wrote Harry Potter?	<pre>SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/Harry_Potter> <http://dbpedia.org/property/author> ?uri }</pre> <pre># ID = 160, # Question = Who wrote Harry Potter? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?author WHERE{ dbr:Harry_Potter dbp:author ?author. }</pre>	<p>select distinct</p> <p>dbr:Harry_Potter</p> <p>"ID = 160, Question = Who wrote Harry Potter?"</p> <p>{+} dbp:author</p>	OK
162	How deep is Lake Chiemsee?	<pre>SELECT DISTINCT ?n WHERE { <http://dbpedia.org/resource/Chiemsee> <http://dbpedia.org/ontology/maximumDepth> ?n }</pre> <pre># ID = 162, # Question = How deep is Lake Chiemsee? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?maximumDepth WHERE{ dbr:Chiemsee dbo:maximumDepth ?maximumDepth. }</pre>	<p>select distinct</p> <p>dbr:Chiemsee</p> <p>"ID = 162, Question = How deep is Lake Chiemsee?"</p> <p>{+} maximumDepth</p>	OK

163	Give me all chemical elements.	<pre> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX owl: <http://www.w3.org/2002/07/owl#> SELECT DISTINCT ?uri WHERE { ?uri rdf:type owl:Thing ; dct:subject dbc:Chemical_elements } </pre>	<pre> # ID = 163, # Question = Give me all chemical elements. PREFIX owl: <http://www.w3.org/2002/07/owl#> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT DISTINCT ?uri WHERE{ ?uri a owl:Thing. ?uri dct:subject dbc:Chemical_elements. } </pre>	<p>select distinct owl:Thing uri</p> <p>"ID = 163, Question = Give me all chemical elements." (select this)</p> <p>dct:subject dbc:Chemical_elements</p>	OK
164	Who was on the Apollo 11 mission?	<pre> SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/Apollo_11> <http://dbpedia.org/property/crewMembers> ?uri } </pre>	<pre> # ID = 164, # Question = Who was on the Apollo 11 mission? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?crewMembers WHERE{ dbr:Apollo_11 dbp:crewMembers ?crewMembers. } </pre>	<p>select distinct dbr:Apollo_11</p> <p>"ID = 164, Question = Who was on the Apollo 11 mission?" {+} dbp:crewMembers</p>	OK
165	What is the name of the university where Obama's wife studied?	<pre> SELECT DISTINCT ?s WHERE { <http://dbpedia.org/resource/Barack_Obama> <http://dbpedia.org/ontology/spouse> ?x . ?x <http://dbpedia.org/ontology/almamater> ?s } </pre>	<pre> # ID = 165, # Question = What is the name of the university where Obama's wife studied? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?almaMater WHERE{ dbr:Barack_Obama dbo:spouse ?x. ?x dbo:almaMater ?almaMater. } </pre>	<p>select distinct dbr:Barack_Obama</p> <p>"ID = 165, Question = What is the name of the university where Obama's wife studied?"</p> <p>spouse x {+} almaMater</p>	OK No results

166	Which computer scientist won an oscar?	<pre>SELECT DISTINCT ?uri WHERE { ?uri <http://dbpedia.org/ontology/field> <http://dbpedia.org/resource/Computer_science> ; <http://dbpedia.org/ontology/award> <http://dbpedia.org/resource/Academy_Award> }</pre> <pre># ID = 166, # Question = Which computer scientist won an oscar? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri dbo:field dbr:Computer_science. ?uri dbo:award dbr:Academy_Award. }</pre>	<p>select distinct</p> <p>uri</p> <p>"ID = 166, Question = Which computer scientist w on an oscar?"</p> <p>(select this)</p>	OK No results
167	Which subsidiary of TUI Travel serves both Glasgow and Dublin?	<pre>SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/TUI_Travel> <http://dbpedia.org/ontology/subsidiary> ?uri . ?uri <http://dbpedia.org/ontology/targetAirport> <http://dbpedia.org/resource/Glasgow_International_Airport> ; <http://dbpedia.org/ontology/targetAirport> <http://dbpedia.org/resource/Dublin_Airport> }</pre> <pre># ID = 167, # Question = Which subsidiary of TUI Travel serves both Glasgow and Dublin? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ dbr:TUI_Travel dbo:subsidiary ?uri. ?uri dbo:targetAirport dbr:Glasgow_International_Airport. ?uri dbo:targetAirport dbr:Dublin_Airport. }</pre>	<p>select distinct</p> <p>dbr:TUI_Travel</p> <p>"ID = 167, Question = Which subsidiary of TUI Travel serves both Glasgow and Dublin?"</p>	OK No results
168	Which actors play in Big Bang Theory?	<pre>SELECT DISTINCT ?uri WHERE { <http://dbpedia.org/resource/The_Big_Bang_Theory> <http://dbpedia.org/ontology/starring> ?uri }</pre> <pre># ID = 168, # Question = Which actors play in Big Bang Theory? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?starring WHERE{ dbr:The_Big_Bang_Theory dbo:starring ?starring. }</pre>	<p>select distinct</p> <p>dbr:The_Big_Bang_Theory</p> <p>"ID = 168, Question = Which actors play in Big Bang Theory?"</p> <p>{+} starring</p>	OK

169	Give me all libraries established before 1400.	<pre>SELECT DISTINCT ?uri WHERE { ?uri a <http://dbpedia.org/ontology/Library> ; <http://dbpedia.org/property/established> ?year FILTER (?year < 1400) }</pre>	<pre># ID = 169, # Question = Give me all libraries established before 1400. PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Library. ?uri dbp:established ?established. FILTER(?established < 1400) }</pre>	<p>select distinct</p> <p>Library</p> <p>uri</p> <p>"ID = 169, Question = Give me all libraries established before 1400." dbp:established < 1400 (select this)</p>	OK
171	When did the Boston Tea Party take place?	<pre>SELECT DISTINCT ?d WHERE { <http://dbpedia.org/resource/Boston_Tea_Party> <http://dbpedia.org/property/date> ?d }</pre>	<pre># ID = 171, # Question = When did the Boston Tea Party take place? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?date WHERE{ dbr:Boston_Tea_Party dbp:date ?date. }</pre>	<p>select distinct</p> <p>dbr:Boston_Tea_Party</p> <p>"ID = 171, Question = When did the Boston Tea Party take place?" {+} dbp:date</p>	OK
173	When did Finland join the EU?	<pre>PREFIX res: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> SELECT DISTINCT ?date WHERE { res:Finland dbp:accessiondate ?date }</pre>	<pre># ID = 173, # Question = When did Finland join the EU? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?accessiondate WHERE{ dbr:Finland dbp:accessiondate ?accessiondate. }</pre>	<p>select distinct</p> <p>dbr:Finland</p> <p>"ID = 173, Question = When did Finland join the EU?" {+} dbp:accessiondate</p>	OK No results
174	Who is the novelist of the work a song of ice and fire?	<pre>PREFIX dbr: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> SELECT ?Novelist WHERE { dbr:A_Song_of_Ice_and_Fire dbp:author ?Novelist }</pre>	<pre># ID = 174, # Question = Who is the novelist of the work a song of ice and fire? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?author WHERE{ dbr:A_Song_of_Ice_and_Fire dbp:author ?author. }</pre>	<p>dbr:A_Song_of_Ice_and_Fire</p> <p>"ID = 174, Question = Who is the novelist of the work a song of ice and fire?" {+} dbp:author</p>	OK
175	When did Muhammad die?	<pre>PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT (xsd:date(?date) as ?d) WHERE { res:Muhammad dbo:deathDate ?date }</pre>	<pre># ID = 175, # Question = When did Muhammad die? PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?d WHERE{ dbr:Muhammad dbo:deathDate ?deathDate. BIND(xsd:date(?deathDate) AS ?d) }</pre>	<p>select distinct</p> <p>dbr:Muhammad</p> <p>"ID = 175, Question = When did Muhammad die?" d<-xsd:date(deathDate)</p>	OK

176	Who painted The Storm on the Sea of Galilee?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> SELECT DISTINCT ?uri WHERE { res:The_Storm_on_the_Sea_of_Galilee dbo:author ?uri }</pre> <pre># ID = 176, # Question = Who painted The Storm on the Sea of Galilee? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> SELECT DISTINCT ?author WHERE{ dbr:The_Storm_on_the_Sea_of_Galilee dbo:author ?author. }</pre>	<p>select distinct</p> <p>dbr:The_Storm_on_the_Sea_of_Galilee</p> <p>"ID = 176, Question = Who painted The Storm on the Sea of Galilee?"</p> <p>{+} author</p>	OK
177	Which bridges are of the same type as the Manhattan Bridge?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?bridge WHERE { dbr:Manhattan_Bridge dbo:type ?type . ?bridge dbo:type ?type ; rdf:type dbo:Bridge }</pre> <pre># ID = 177, # Question = Which bridges are of the same type as the Manhattan Bridge? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?bridge WHERE{ ?bridge a dbo:Bridge. dbr:Manhattan_Bridge dbo:type ?type. ?bridge dbo:type ?type. }</pre>	<p>select distinct</p> <p>dbr:Manhattan_Bridge</p> <p>"ID = 177, Question = Which bridges are of the same type as the Manhattan Bridge?"</p>	OK
178	How many James Bond movies do exist?	<pre>PREFIX dct: <http://purl.org/dc/terms/> SELECT (COUNT(DISTINCT ?uri) AS ?c) WHERE { ?uri dct:subject <http://dbpedia.org/resource/Category:James_Bond_films> }</pre> <pre># ID = 178, # Question = How many James Bond movies do exist? PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT (COUNT(DISTINCT ?uri) AS ?c) WHERE{ ?uri dct:subject dbc:James_Bond_films. }</pre>	<p>c<-count_distinct(.)</p> <p>uri</p> <p>"ID = 178, Question = How many James Bond movies do exist?"</p>	OK

179	What were the names of the three ships by Columbus?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT ?uri WHERE { ?uri rdf:type dbo:Ship ; dct:subject dbc:Christopher_Columbus ; dct:subject dbc:Exploration_ships }</pre> <pre># ID = 179, # Question = What were the names of the three ships by Columbus? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT ?uri WHERE{ ?uri a dbo:Ship. ?uri dct:subject dbc:Christopher_Columbus. ?uri dct:subject dbc:Exploration_ships. }</pre>	<p>Ship uri</p> <p>"ID = 179, Question = What were the names of the three ships by Columbus?" (select this)</p> <p>dct:subject dbc:Christopher_Columbus</p> <p>dct:subject dbc:Exploration_ships</p>	OK
181	Through which countries does the Yenisei river flow?	<pre>PREFIX res: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> SELECT DISTINCT ?uri WHERE { res:Yenisei_River <http://dbpedia.org/ontology/country> ?uri }</pre> <pre># ID = 181, # Question = Through which countries does the Yenisei river flow? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?country WHERE{ dbr:Yenisei_River dbo:country ?country. }</pre>	<p>select distinct dbr:Yenisei_River</p> <p>"ID = 181, Question = Through which countries does the Yenisei river flow ?" {+} country</p>	OK No results
182	Which animals are critically endangered?	<pre>SELECT DISTINCT ?uri WHERE { ?uri a <http://dbpedia.org/ontology/Animal> ; <http://dbpedia.org/ontology/conservationStatus> "CR" }</pre> <pre># ID = 182, # Question = Which animals are critically endangered? PREFIX dbo: <http://dbpedia.org/ontology/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Animal. ?uri dbo:conservationStatus "CR" . }</pre>	<p>select distinct Animal uri</p> <p>"ID = 182, Question = Which animals are critically endangered?" conservationStatus = "CR" (select this)</p>	OK
183	Who was Tom Hanks married to?	<pre>PREFIX dbr: <http://dbpedia.org/resource/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> SELECT DISTINCT ?uri WHERE { dbr:Tom_Hanks dbo:spouse ?uri }</pre> <pre># ID = 183, # Question = Who was Tom Hanks married to? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?spouse WHERE{ dbr:Tom_Hanks dbo:spouse ?spouse. }</pre>	<p>select distinct dbr:Tom_Hanks</p> <p>"ID = 183, Question = Who was Tom Hanks married to?" {+} spouse</p>	OK

187	Who is the husband of Amanda Palmer?	<pre>SELECT DISTINCT ?uri WHERE { ?uri <http://dbpedia.org/ontology/spouse> <http://dbpedia.org/resource/Amanda_Palmer> }</pre>	<pre># ID = 187, # Question = Who is the husband of Amanda Palmer? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri dbo:spouse dbr:Amanda_Palmer. }</pre>	<p>select distinct uri "ID = 187, Question = Who is the husband of Amanda Palmer?" (select this)</p> <p style="text-align: center;">↓ spouse</p> <p style="background-color: #e6eaf2; padding: 5px; border-radius: 5px;">dbr:Amanda_Palmer</p>	OK No results
188	Give me the homepage of Forbes.	<pre>PREFIX res: <http://dbpedia.org/resource/> PREFIX foaf: <http://xmlns.com/foaf/0.1/> SELECT DISTINCT ?string WHERE { res:Forbes foaf:homepage ?string }</pre>	<pre># ID = 188, # Question = Give me the homepage of Forbes. PREFIX foaf: <http://xmlns.com/foaf/0.1/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?homepage WHERE{ dbr:Forbes foaf:homepage ?homepage. }</pre>	<p>select distinct dbr:Forbes "ID = 188, Question = Give me the homepage of Forbes." {+} foaf:homepage</p>	OK No results
189	In which studio did the Beatles record their first album?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX db: <http://dbpedia.org/> SELECT ?studio WHERE{ ?album dbo:artist dbr:The_Beatles ; rdf:type dbo:Album ; dbo:releaseDate ?date ; dbp:studio ?studio } ORDER BY ASC(?date) LIMIT 1</pre>	<pre># ID = 189, # Question = In which studio did the Beatles record their first album? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?studio WHERE{ ?album a dbo:Album. ?album dbo:artist dbr:The_Beatles. ?album dbo:releaseDate ?date. ?album dbp:studio ?studio. } ORDER BY ?date LIMIT 1</pre>	<p>Album album "ID = 189, Question = In which studio did the Beatles record their first album?" {h+} date<-releaseDate {+} dbp:studio order by date show first 1 row(s)</p> <p style="text-align: center;">↓ artist</p> <p style="background-color: #e6eaf2; padding: 5px; border-radius: 5px;">dbr:The_Beatles</p>	OK

190	Who are the parents of the wife of Juan Carlos I?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { res:Juan_Carlos_I_of_Spain dbo:spouse ?x . ?x dbo:parent ?uri }</pre>	<pre># ID = 190, # Question = Who are the parents of the wife of Juan Carlos I? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT ?parent WHERE{ dbr:Juan_Carlos_I_of_Spain dbo:spouse ?x . ?x dbo:parent ?parent. }</pre>	<p>select distinct</p> <p>dbr:Juan_Carlos_I_of_Spain</p> <p>"ID = 190, Question = Who are the parents of the wife of Juan Carlos I?"</p>	OK No results
192	Which museum exhibits The Scream by Munch?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX res: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { res:The_Scream dbo:museum ?uri }</pre>	<pre># ID = 192, # Question = Which museum exhibits The Scream by Munch? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?museum WHERE{ dbr:The_Scream dbo:museum ?museum. }</pre>	<p>select distinct</p> <p>dbr:The_Scream</p> <p>"ID = 192, Question = Which museum exhibits The Scream by Munch?"</p> <p>{+} museum</p>	OK
194	Which U.S. state has the abbreviation MN?	<pre>PREFIX yago: <http://dbpedia.org/class/yago/> SELECT DISTINCT ?uri WHERE { ?uri a yago:WikicatStatesOfTheUnitedStates ; <http://dbpedia.org/property/postalabbreviation> "MN"^^<http://www.w3.org/1999/02/22-rdf-syntax-ns#langString> }</pre>	<pre># ID = 194, # Question = Which U.S. state has the abbreviation MN? PREFIX yago: <http://dbpedia.org/class/yago/> PREFIX dbp: <http://dbpedia.org/property/> SELECT DISTINCT ?uri WHERE{ ?uri a yago:WikicatStatesOfTheUnitedStates . ?uri dbp:postalabbreviation "MN"^^rdf:langString . }</pre>	<p>select distinct</p> <p>yago:WikicatStatesOfTheUnitedStates</p> <p>uri</p> <p>"ID = 194, Question = Which U.S. state has the abbreviation MN?"</p> <p>dbp:postalabbreviation = "MN"^^rdf:langString (select this)</p>	OK No results
196	Which classes does the Millepede belong to?	<pre>PREFIX res: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> SELECT DISTINCT ?String WHERE { res:Millipede dbp:taxon ?String }</pre>	<pre># ID = 196, # Question = Which classes does the Millepede belong to? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?taxon WHERE{ dbr:Millipede dbp:taxon ?taxon. }</pre>	<p>select distinct</p> <p>dbr:Millipede</p> <p>"ID = 196, Question = Which classes does the Millepede belong to?"</p> <p>{+} dbp:taxon</p>	OK

197	Which U.S. state has been admitted latest?	<pre>PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX dct: <http://purl.org/dc/terms/> SELECT DISTINCT ?uri WHERE { ?uri dct:subject dbc:States_of_the_United_States ; <http://dbpedia.org/property/admittancedate> ?x } ORDER BY DESC(?x) LIMIT 1</pre> <pre># ID = 197, # Question = Which U.S. state has been admitted latest? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT DISTINCT ?uri WHERE{ ?uri dct:subject dbc:States_of_the_United_States. ?uri dbp:admittancedate ?x. } ORDER BY DESC(?x) LIMIT 1</pre>	<p>select distinct uri "ID = 197, Question = Which U.S. state has been admitted latest?" (select this) {h+} x<-dbp:admittancedate order by x, DESC show first 1 row(s)</p> <p>dct:subject dbc:States_of_the_United_States</p>	OK
198	Who was influenced by Socrates?	<pre>SELECT DISTINCT ?uri WHERE { ?uri <http://dbpedia.org/ontology/influencedBy> <http://dbpedia.org/resource/Socrates> }</pre> <pre># ID = 198, # Question = Who was influenced by Socrates? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri dbo:influencedBy dbr:Socrates. }</pre>	<p>select distinct uri "ID = 198, Question = Who was influenced by Socrates?" (select this)</p> <p>influencedBy dbr:Socrates</p>	OK

199	Give me all Argentine films.	<pre> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX yago: <http://dbpedia.org/class/yago/> PREFIX res: <http://dbpedia.org/resource/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT DISTINCT ?uri WHERE { { ?uri rdf:type yago:ArgentineFilms} UNION { ?uri rdf:type dbo:Film { ?uri dbo:country res:Argentina } UNION { ?uri dbp:country "Argentina"@en } } } </pre>	<pre> # ID = 199, # Question = Give me all Argentine films, # # Manually edited PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX yago: <http://dbpedia.org/class/yago/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?uri WHERE{ { ?uri a dbo:Film. { ?uri a dbo:Film. ?uri dbo:country dbr:Argentina. } UNION { ?uri a dbo:Film. ?uri dbp:country "Argentina"@en . } UNION { ?uri a yago:ArgentineFilms. } } </pre>	<p>[+]</p> <p>"ID = 199, Question = Give me all Argentine films, Manually edited"</p>	Manually edited TO DO: UNION
201	What is the founding year of the brewery that produces Pilsner Urquell?	<pre> PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> SELECT DISTINCT (xsd:date(?num) as ?n) WHERE { <http://dbpedia.org/resource/Pilsner_Urquell> <http://dbpedia.org/property/brewery> ?uri . ?uri dbo:foundingYear ?num } </pre>	<pre> # ID = 201, # Question = What is the founding year of the brewery that produces Pilsner Urquell? PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/property/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?n WHERE{ dbr:Pilsner_Urquell dbo:brewery ?uri. ?uri dbo:foundingYear ?num. BIND(xsd:date(?num) AS ?n) } </pre>	<p>select distinct dbr:Pilsner_Urquell</p> <p>"ID = 201, Question = What is the founding year of the brewery that produces Pilsner Urquell?"</p> <p>n<-xsd:date(num)</p>	OK
203	How did Michael Jackson die?	<pre> SELECT DISTINCT ?s WHERE { <http://dbpedia.org/resource/Michael_Jackson> <http://dbpedia.org/property/deathCause> ?s } </pre>	<pre> # ID = 203, # Question = How did Michael Jackson die? PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?deathCause WHERE{ dbr:Michael_Jackson dbp:deathCause ?deathCause. } </pre>	<p>select distinct dbr:Michael_Jackson</p> <p>"ID = 203, Question = How did Michael Jackson die?"</p> <p>{+} dbp:deathCause</p>	OK

206	What was the name of the famous battle in 1836 in San Antonio ?	<pre>PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?uri WHERE { ?uri a dbo:MilitaryConflict ; dbo:place dbr:San_Antonio ; dbo:date ?date FILTER (?date > "1835-12-31T00:00:00Z"^^xsd:dateTime) FILTER (?date <= "1836-12-31T00:00:00Z"^^xsd:dateTime) }</pre> <pre># ID = 206, # Question = What was the name of the famous battle in 1836 in San Antonio? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?uri WHERE{ ?uri a dbo:MilitaryConflict. ?uri dbo:place dbr:San_Antonio. ?uri dbo:date ?date. FILTER(?date > "1835-12-31T00:00:00Z"^^xsd:dateTime) FILTER(?date <= "1836-12-31T00:00:00Z"^^xsd:dateTime) }</pre>	<p>MilitaryConflict</p> <p>uri</p> <p>"ID = 206, Question = What was the name of the famous battle in 1836 in San Antonio?" date > "1835-12-31T00:00:00Z"^^xsd:dateTime date <= "1836-12-31T00:00:00Z"^^xsd:dateTime (select this) {h+} date</p> <p>place</p> <p>dbr:San_Antonio</p>	OK
207	Which daughters of British earls died at the same place they were born at?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX yago: <http://dbpedia.org/class/yago/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT DISTINCT ?uri WHERE { ?uri rdf:type yago:WikicatDaughtersOfBritishEarls ; dbo:birthPlace ?x ; dbo:deathPlace ?y FILTER (?x = ?y) }</pre> <pre># ID = 207, # Question = Which daughters of British earls died at the same place they were born at? PREFIX yago: <http://dbpedia.org/class/yago/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a yago:WikicatDaughtersOfBritishEarls. ?uri dbo:deathPlace ?y. ?uri dbo:birthPlace ?birthPlace. FILTER(?birthPlace = ?y) }</pre>	<p>select distinct</p> <p>yago:WikicatDaughtersOfBritishEarls</p> <p>uri</p> <p>"ID = 207, Question = Which daughters of British earls died at the same place they were born at?" birthPlace = y (select this) {h+} y<-deathPlace</p>	OK
209	Give me all taikonauts.	<pre>SELECT DISTINCT ?uri WHERE { { ?uri a <http://dbpedia.org/ontology/Astronaut> ; <http://dbpedia.org/ontology/nationality> <http://dbpedia.org/resource/People's_Republic_of_China> } UNION { ?uri a <http://dbpedia.org/ontology/Astronaut> ; <http://dbpedia.org/ontology/nationality> <http://dbpedia.org/resource/China> } }</pre> <pre># ID = 209, # Question = Give me all taikonauts. PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT ?uri WHERE{ { ?uri a dbo:Astronaut. ?uri dbo:nationality <http://dbpedia.org/resource/People's_Republic_of_China>. } UNION { ?uri a dbo:Astronaut. ?uri dbo:nationality dbr:China. }}</pre>	<p>select distinct</p> <p>[+]</p> <p>"ID = 209, Question = Give me all taikonauts."</p> <p>++</p> <p>Astronaut</p> <p>uri</p> <p>(select this)</p> <p>nationality</p> <p>dbr:China</p> <p>++</p> <p>Astronaut</p> <p>uri</p> <p>(select this)</p> <p>nationality</p> <p>dbr:People's_Republic_of_China</p>	OK

210	Which monarchs of the United Kingdom were married to a German?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX yago: <http://dbpedia.org/class/yago/> PREFIX res: <http://dbpedia.org/resource/> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT DISTINCT ?uri WHERE { ?uri rdf:type yago:WikicatMonarchsOfTheUnitedKingdom ; dbo:spouse ?spouse . ?spouse dbo:birthPlace res:Germany }</pre> <pre># ID = 210, # Question = Which monarchs of the United Kingdom were married to a German? PREFIX yago: <http://dbpedia.org/class/yago/> PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a yago:WikicatMonarchsOfTheUnitedKingdom. ?uri dbo:spouse ?spouse. ?spouse dbo:birthPlace dbr:Germany. }</pre>	<p>select distinct</p> <p>yago:WikicatMonarchsOfTheUnitedKingdom</p> <p>uri</p> <p>"ID = 210, Question = Which monarchs of the United Kingdom were married to a German?" (select this)</p>	OK No results
211	Give me all American presidents of the last 20 years.	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> SELECT DISTINCT ?uri WHERE { ?uri rdf:type dbo:Person ; dct:subject dbc:Presidents_of_the_United_States ; dbo:activeYearsEndDate ?termEnd FILTER ((year(now()) - year(?termEnd)) <= 20) }</pre> <pre># ID = 211, # Question = Give me all American presidents of the last 20 years. PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX xsd: <http://www.w3.org/2001/XMLSchema#> PREFIX dct: <http://purl.org/dc/terms/> PREFIX dbc: <http://dbpedia.org/resource/Category:> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Person. ?uri dct:subject dbc:Presidents_of_the_United_States. ?uri dbo:activeYearsEndDate ?activeYearsEndDate. FILTER(YEAR(xsd:dateTime(NOW()))- YEAR(xsd:dateTime(?activeYearsEndDate)) <= 20) }</pre>	<p>select distinct</p> <p>Person</p> <p>uri</p> <p>"ID = 211, Question = Give me all American presidents of the last 20 years." year(now()) - year(activeYearsEndDate) <= 20 (select this)</p>	OK No results
212	Which companies work in the aerospace industry as well as in medicine?	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { ?uri a dbo:Company ; dbo:industry dbr:Aerospace ; dbo:industry dbr:Medical }</pre> <pre># ID = 212, # Question = Which companies work in the aerospace industry as well as in medicine? PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Company. ?uri dbo:industry dbr:Aerospace. ?uri dbo:industry dbr:Medical. }</pre>	<p>select distinct</p> <p>Company</p> <p>uri</p> <p>"ID = 212, Question = Which companies work in the aerospace industry as well as in medicine?" (select this)</p>	OK No results

213	Show me all Czech movies.	<pre>SELECT DISTINCT ?uri WHERE { ?uri a <http://dbpedia.org/ontology/Film> ; <http://dbpedia.org/ontology/country> <http://dbpedia.org/resource/Czech_Republic> }</pre> <pre># ID = 213, # Question = Show me all Czech movies. PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ ?uri a dbo:Film. ?uri dbo:country dbr:Czech_Republic. }</pre>	<p>select distinct</p> <p>Film</p> <p>uri</p> <p>"ID = 213, Question = Show me all Czech movies." (select this)</p>	OK
214	Give me all professional skateboarders from Sweden.	<pre>PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbp: <http://dbpedia.org/property/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE { ?uri dbo:occupation dbr:Skateboarder { ?uri dbo:birthPlace dbr:Sweden } UNION { ?uri dbo:birthPlace ?place . ?place dbo:country dbr:Sweden } }</pre> <pre># ID = 214, # Question = Give me all professional skateboarders from Sweden. PREFIX dbo: <http://dbpedia.org/ontology/> PREFIX dbr: <http://dbpedia.org/resource/> SELECT DISTINCT ?uri WHERE{ { ?uri dbo:birthPlace dbr:Sweden. } UNION { ?uri dbo:birthPlace ?place. ?place dbo:country dbr:Sweden. } ?uri dbo:occupation dbr:Skateboarder. }</pre>	<p>select distinct</p> <p>uri</p> <p>"ID = 214, Question = Give me all professional skateboarders from Sweden." (select this)</p>	OK No results