Query Execution Plan / Query Cache Inspection of a:

SPARQL query in DBpedia to get the names of all active political parties in Greece and their living members (if any).

The query in its entirety

```
1. select distinct ?Party_Name (COUNT(?Member) AS ?Number_of_Members)
2. where { ?Party dbo:country dbr:Greece;
3.              rdf:type dbo:PoliticalParty;
4.              rdfs:label ?Party_Name.
5. OPTIONAL {?Party dbp:dissolved|dbo:closingYear|dbo:extinctionYear ?x}.
6. FILTER(!bound(?x)).
7. OPTIONAL { ?Member dbo:party ?Party.
8.            ?Member rdfs:label ?Member_Name.
9.         FILTER langMatches ( lang (?Member_Name), "EN").
10.           OPTIONAL {?Member dbo:deathDate ?y}.
11.            FILTER (!bound (?y)).}.
12. FILTER langMatches( lang(?Party_Name), "EN" )
13. }
14. GROUP BY (?Party_Name)
15. ORDER BY DESC (?Number_of_Members)
```

1. select distinct ?Party_Name (COUNT(?Member) AS ?Number_of_Members)

2. where { ?Party dbo:country dbr:Greece;

3.   rdf:type dbo:PoliticalParty;   Line 1

4.   rdfs:label ?Party_Name.

5. OPTIONAL {?Party dbp:dissolved|dbo:closingYear|dbo:extinctionYear ?x}.

Cache

   - (empty)

The first line will be executed after the closing of "where" section, which starts at line 2 and ends at line 13. We will return at Line 1 after the end of Line 13

1. select distinct ?Party_Name (COUNT(?Member) AS ?Number_of_Members)
2. **where { ?Party dbo:country dbr:Greece;**
3.   rdf:type dbo:PoliticalParty;   Line 2
4.   rdfs:label ?Party_Name.
5. OPTIONAL {?Party dbp:dissolved|dbo:closingYear|dbo:extinctionYear ?x}.

Cache

?Party	dbr:Greece
http://dbpedia.org/resource/Kalloni_Grevena	dbr:Greece
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece
http://dbpedia.org/resource/University_of_Crete	dbr:Greece
http://dbpedia.org/resource/New_Democracy	dbr:Greece
http://dbpedia.org/resource/Fourka	dbr:Greece
http://dbpedia.org/resource/ROZA	dbr:Greece
http://dbpedia.org/resource/Panhellenic_Socliast_Movement	dbr:Greece
http://dbpedia.org/resource/Democratic_Alliance	dbr:Greece
[...]	dbr:Greece

All the triplets with:
predicate dbo:country
Object dbr:Greece

1. select distinct ?Party_Name (COUNT(?Member) AS ?Number_of_Members)
2. where { ?Party dbo:country dbr:Greece;
3.   **rdf:type dbo:PoliticalParty;**   Line 3
4.   rdfs:label ?Party_Name.
5. OPTIONAL {?Party dbp:dissolved|dbo:closingYear|dbo:extinctionYear ?x}.

Cache

?Party	dbr:Greece
~~http://dbpedia.org/resource/Kalloni_Grevena~~	~~dbr:Greece~~
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece
~~http://dbpedia.org/resource/University_of_Crete~~	~~dbr:Greece~~
http://dbpedia.org/resource/New_Democracy	dbr:Greece
~~http://dbpedia.org/resource/Fourka~~	~~dbr:Greece~~
http://dbpedia.org/resource/ROZA	dbr:Greece
http://dbpedia.org/resource/Panhellenic_Socliast_Movement	dbr:Greece
http://dbpedia.org/resource/Democratic_Alliance	dbr:Greece
[…] (with predicate rdf:type Object dbo:PoliticalParty)	dbr:Greece

All the triplets with:
predicate dbo:country   +
Object dbr:Greece

predicate rdf:type
Object dbo:PoliticalParty

2. where { ?Party dbo:country dbr:Greece;
3.   rdf:type dbo:PoliticalParty;
4. **rdfs:label ?Party_Name.**   Line 4
5. OPTIONAL {?Party dbp:dissolved|dbo:closingYear|dbo:extinctionYear ?x}.
6. FILTER(!bound(?x)).

Cache

?Party	dbr:Greece	?Party_Name
~~http://dbpedia.org/resource/Kalloni_Grevena~~	~~dbr:Greece~~	
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists
~~http://dbpedia.org/resource/University_of_Crete~~	~~dbr:Greece~~	
http://dbpedia.org/resource/New_Democracy	dbr:Greece	New Democracy@en
http://dbpedia.org/resource/New_Democracy	dbr:Greece	Nouvelle Démocratie@fr
~~http://dbpedia.org/resource/Fourka~~	~~dbr:Greece~~	
http://dbpedia.org/resource/ROZA	dbr:Greece	ROZA
http://dbpedia.org/resource/Panhellenic_Socliast_Movement	dbr:Greece	Panhellenic Socialist Movent
http://dbpedia.org/resource/Democratic_Alliance	dbr:Greece	Democratic Social Movement (DIKKI)
[…] (with predicate rdf:type Object dbo:PoliticalParty)	dbr:Greece	[…]

from all these save also the triplets with

All the triplets with:
predicate dbo:country   **+**   predicate rdf:type   } predicate rdfs:label
Object dbr:Greece   Object dbo:PoliticalParty

3.   rdf:type dbo:PoliticalParty;

4.   rdfs:label ?Party_Name.

5. OPTIONAL {?Party dbp:dissolved|dbo:closingYear|dbo:extinctionYear ?x}.   Line 5

6. FILTER(!bound(?x)).

7. OPTIONAL { ?Member dbo:party ?Party.

Cache

?Party	dbr:Greece	?Party_Name	
~~http://dbpedia.org/resource/Kalloni_Grevena~~	~~dbr:Greece~~		
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists	
~~http://dbpedia.org/resource/University_of_Crete~~	~~dbr:Greece~~		
http://dbpedia.org/resource/New_Democracy	dbr:Greece	New Democracy@en	
http://dbpedia.org/resource/New_Democracy	dbr:Greece	Nouvelle Démocratie@fr	
~~http://dbpedia.org/resource/Fourka~~	~~dbr:Greece~~		
http://dbpedia.org/resource/ROZA	dbr:Greece	ROZA	
http://dbpedia.org/resource/ Panhellenic_Socliast_Movement	dbr:Greece	Panhellenic Socialist Moment	
http://dbpedia.org/resource/Democratic_Alliance	dbr:Greece	Democratic Alliance	2014-05-22
[…] (with predicate rdf:type Object dbo:PoliticalParty)	dbr:Greece	[…]	

All the triplets with:
predicate dbo:country
Object dbr:Greece

+

from all these save also the triplets with
predicate rdf:type
Object dbo:PoliticalParty

}

predicate rdfs:label

|

Also save all triplets of ?Party to ?x which have
predicate dbp:dissolved|
dbo:closingYear|
dbo:extinctionYear

4.   rdfs:label ?Party_Name.

5. OPTIONAL {?Party dbp:dissolved|dbo:closingYear|dbo:extinctionYear ?x}.

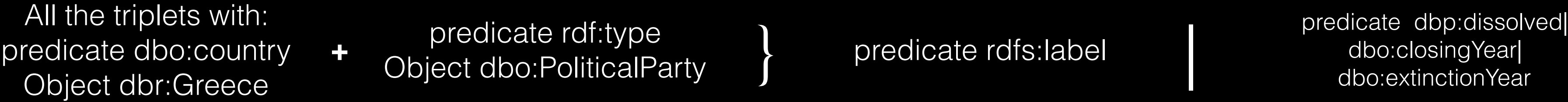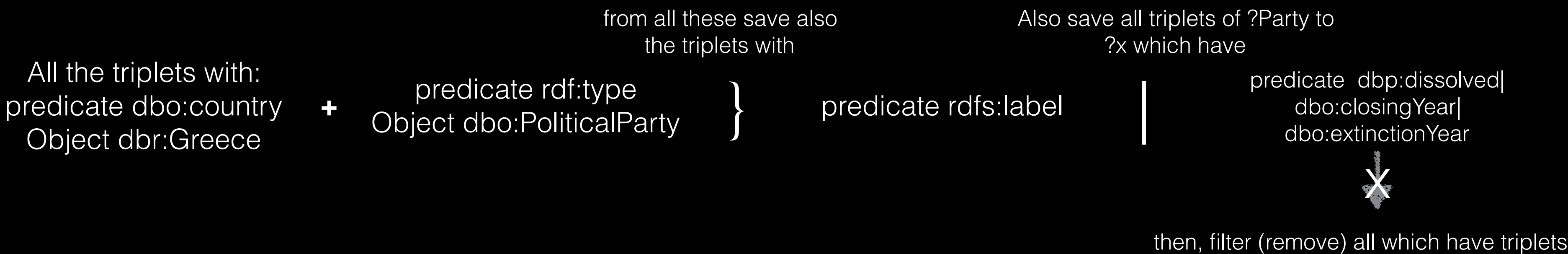**6. FILTER(!bound(?x)).**

7. OPTIONAL { ?Member dbo:party ?Party.

8.   ?Member rdfs:label ?Member_Name.

Cache

?Party	dbr:Greece	?Party_Name	?x
http://dbpedia.org/resource/Kalloni_Grevena	dbr:Greece		
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists	
http://dbpedia.org/resource/University_of_Crete	dbr:Greece		
http://dbpedia.org/resource/New_Democracy	dbr:Greece	New Democracy@en	
http://dbpedia.org/resource/New_Democracy	dbr:Greece	Nouvelle Démocratie@fr	
http://dbpedia.org/resource/Fourka	dbr:Greece		
http://dbpedia.org/resource/ROZA	dbr:Greece	ROZA	
http://dbpedia.org/resource/ Panhellenic_Socliast_Movement	dbr:Greece	Panhellenic Socialist Moment	
http://dbpedia.org/resource/Democratic_Alliance	dbr:Greece	Democratic Alliance	2014-05-22
[…] (with predicate rdf:type Object dbo:PoliticalParty)	dbr:Greece	[…]	

from all these save also
the triplets with

Also save all triplets of ?Party to
?x which have

All the triplets with:
predicate dbo:country
Object dbr:Greece

+

predicate rdf:type
Object dbo:PoliticalParty

}

predicate rdfs:label

|

predicate dbp:dissolved|
dbo:closingYear|
dbo:extinctionYear

then, filter (remove) all which have triplets

5. OPTIONAL {?Party dbp:dissolved|dbo:closingYear|dbo:extinctionYear ?x}.
6. FILTER(!bound(?x)).
7. **OPTIONAL { ?Member dbo:party ?Party.**
8. ?Member rdfs:label ?Member_Name.
9. FILTER langMatches (lang (?Member_Name), "EN").

Line 7

Cache

?Party	dbr:Greece	?Party_Name	?x
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists	
http://dbpedia.org/resource/	dbr:Greece	New Democracy@en	
http://dbpedia.org/resource/	dbr:Greece	Nouvelle Démocratie@fr	
http://dbpedia.org/resource/ROZA	dbr:Greece	ROZA	
http://dbpedia.org/resource/	dbr:Greece	Panhellenic Socialist Moment	
[…] (with predicate rdf:type Object dbo:PoliticalParty)	dbr:Greece	[…]	

?Member
http://dbpedia.org/resource/Fofi_Gennimata
http://dbpedia.org/resource/Euclid_Tsakalotos
http://dbpedia.org/resource/Adonis_Georgiadis
http://dbpedia.org/resource/Miltiadis_Evert
http://dbpedia.org/resource/Vassilis_Leventis
[…]

}

At this stage we create a second table, just for demostrating reasons, as all triplets with subject ?Member are matched with the dbo:party ?Party
In reality SPARQL keeps ONLY one table.

Show all triplets with
predicate dbo:party
subject:?Party (our selected triplets)

6. FILTER(!bound(?x)).

7. OPTIONAL { ?Member dbo:party ?Party.

8.   ?Member rdfs:label ?Member_Name.

9.   FILTER langMatches (lang (?Member_Name), "EN").

10.   OPTIONAL {?Member dbo:deathDate ?y}.

Cache

?Party	dbr:Greece	?Party_Name	?x
http://dbpedia.org/resource/ Union_of_Centrists	dbr:Greece	Union of Centrists	
http://dbpedia.org/resource/	dbr:Greece	New Democracy@en	
http://dbpedia.org/resource/	dbr:Greece	Nouvelle Démocratie@fr	
http://dbpedia.org/resource/ROZA	dbr:Greece	ROZA	
http://dbpedia.org/resource/	dbr:Greece	Panhellenic Socialist Moment	
[…] (with predicate rdf:type Object dbo:PoliticalParty)	dbr:Greece	[…]	

}

?Member	?Member_Name
http://dbpedia.org/resource/Fofi_Gennimata	Fofi Gennimata
http://dbpedia.org/resource/Euclid_Tsakalotos	Euclid Tsakalotos@fr
http://dbpedia.org/resource/Euclid_Tsakalotos	Euclides Tsakalotos@en
http://dbpedia.org/resource/Adonis_Georgiadis	Adonis Georgiadis
http://dbpedia.org/resource/Miltiadis_Evert	Miltiadis Evert
http://dbpedia.org/resource/Vassilis_Leventis	Vassilis Leventis
[…]	

from all these save also
the triplets with

Show all triplets with
predicate dbo:party
subject:?Party (our selected triplets)

} predicate rdfs:label

7. OPTIONAL { ?Member dbo:party ?Party.
8.   ?Member rdfs:label ?Member_Name.
9.   **FILTER langMatches (lang (?Member_Name), "EN").**
10.   OPTIONAL {?Member dbo:deathDate ?y}.
11.   FILTER (!bound (?y)).}.

Line 9

Cache

?Party	dbr:Greece	?Party_Name	?x
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists	
http://dbpedia.org/resource/	dbr:Greece	New Democracy@en	
http://dbpedia.org/resource/	dbr:Greece	Nouvelle Démocratie@fr	
http://dbpedia.org/resource/ROZA	dbr:Greece	ROZA	
http://dbpedia.org/resource/	dbr:Greece	Panhellenic Socialist Moment	
[…] (with predicate rdf:type Object dbo:PoliticalParty)	dbr:Greece	[…]	

}

?Member	?Member_Name
http://dbpedia.org/resource/Fofi_Gennimata	Fofi Gennimata
~~http://dbpedia.org/resource/Euclid_Tsakalotos~~	~~Euclid Tsakalotos@fr~~
http://dbpedia.org/resource/Euclid_Tsakalotos	Euclides Tsakalotos@en
http://dbpedia.org/resource/Adonis_Georgiadis	Adonis Georgiadis
http://dbpedia.org/resource/Miltiadis_Evert	Miltiadis Evert
http://dbpedia.org/resource/Vassilis_Leventis	Vassilis Leventis
[…]	

from all these save also the triplets with

and remove triplets - non @en - match with the variable:

Show all triplets with predicate dbo:party subject:?Party (our selected triplets)

} predicate rdfs:label   X   Member_Name ...

8.   ?Member rdfs:label ?Member_Name.
9.   FILTER langMatches (lang (?Member_Name), "EN").
10.   OPTIONAL {?Member dbo:deathDate ?y}.
11.   FILTER (!bound (?y)).}.
12. FILTER langMatches(lang(?Party_Name), "EN")

Line 10

Cache

?Party	dbr:Greece	?Party_Name	?x
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists	
http://dbpedia.org/resource/	dbr:Greece	New Democracy@en	
http://dbpedia.org/resource/	dbr:Greece	Nouvelle Démocratie@fr	
http://dbpedia.org/resource/ROZA	dbr:Greece	ROZA	
http://dbpedia.org/resource/	dbr:Greece	Panhellenic Socialist Moment	
[…] (with predicate rdf:type Object dbo:PoliticalParty)	dbr:Greece	[…]	

}

?Member	?Member_Name	?y
http://dbpedia.org/resource/Fofi_Gennimata	Fofi Gennimata	
~~http://dbpedia.org/resource/Euclid_Tsakalotos~~	~~Euclid Tsakalotos@fr~~	
http://dbpedia.org/resource/Euclid_Tsakalotos	Euclides Tsakalotos@en	
http://dbpedia.org/resource/Adonis_Georgiadis	Adonis Georgiadis	
http://dbpedia.org/resource/Miltiadis_Evert	Miltiadis Evert	09-02-2011
http://dbpedia.org/resource/Vassilis_Leventis	Vassilis Leventis	
[…]		

Save all triplets of ?Member to ?y
which have

▪ ▪ ▪   predicate dbo:deathDate

9.   FILTER langMatches (lang (?Member_Name), "EN").

10.   OPTIONAL {?Member dbo:deathDate ?y}.

11.   FILTER (!bound (?y)).}.

12. FILTER langMatches(lang(?Party_Name), "EN")

13. }

Line 11

Cache

?Party	dbr:Greece	?Party_Name	?x
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists	
http://dbpedia.org/resource/	dbr:Greece	New Democracy@en	
http://dbpedia.org/resource/	dbr:Greece	Nouvelle Démocratie@fr	
http://dbpedia.org/resource/ROZA	dbr:Greece	ROZA	
http://dbpedia.org/resource/	dbr:Greece	Panhellenic Socialist Moment	
[...] (with predicate rdf:type Object dbo:PoliticalParty)	dbr:Greece	[...]	

?Member	?Member_Name	?y
http://dbpedia.org/resource/Fofi_Gennimata	Fofi Gennimata	
http://dbpedia.org/resource/Euclid_Tsakalotos	Euclid Tsakalotos@fr	
http://dbpedia.org/resource/Euclid_Tsakalotos	Euclides Tsakalotos@en	
http://dbpedia.org/resource/Adonis_Georgiadis	Adonis Georgiadis	
http://dbpedia.org/resource/Miltiadis_Evert	Miltiadis Evert	09-02-2011
http://dbpedia.org/resource/Vassilis_Leventis	Vassilis Leventis	
[...]		

}

Save all triplets of ?Member to ?y which have

∎ ∎ ∎   predicate dbo:deathDate

X

then, filter (remove) all which have triplets

10.   OPTIONAL {?Member dbo:deathDate ?y}.
11.   FILTER (!bound (?y)).}.
12. FILTER langMatches(lang(?Party_Name), "EN")
13. }
14. GROUP BY (?Party_Name)

Line 12

Cache

?Party	dbr:Greece	?Party_Name	?x
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists	
http://dbpedia.org/resource/New_Democracy	dbr:Greece	New Democracy@en	
~~http://dbpedia.org/resource/New_Democracy~~	~~dbr:Greece~~	~~Nouvelle Démocratie@fr~~	
http://dbpedia.org/resource/ROZA	dbr:Greece	ROZA	
http://dbpedia.org/resource/Panhellenic_Socliast_Moveme	dbr:Greece	Panhellenic Socialist Moment	
[…] (with predicate rdf:type Object dbo:PoliticalParty)	dbr:Greece	[…]	

?Member	?Member_Name	?y
http://dbpedia.org/resource/Fofi_Gennimata	Fofi Gennimata	
http://dbpedia.org/resource/Euclid_Tsakalotos	Euclides Tsakalotos@en	
http://dbpedia.org/resource/Adonis_Georgiadis	Adonis Georgiadis	
http://dbpedia.org/resource/Vassilis_Leventis	Vassilis Leventis	
[…]	[…]	

Remove triplets - non @en -
match with the variable:

?Party_Name

11.   FILTER (!bound (?y)).}.
12. FILTER langMatches(lang(?Party_Name), "EN")
13. }

Line 13

14. GROUP BY (?Party_Name)
15. ORDER BY DESC (?Number_of_Members)

Cache

?Party	dbr:Greece	?Party_Name	?x
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists	
http://dbpedia.org/resource/New_Democracy	dbr:Greece	New Democracy@en	
~~http://dbpedia.org/resource/New_Democracy~~	~~dbr:Greece~~	~~Nouvelle Démocratie@fr~~	
http://dbpedia.org/resource/ROZA	dbr:Greece	ROZA	
http://dbpedia.org/resource/Panhellenic_Socliast_Movement	dbr:Greece	Panhellenic Socialist Moment	
[…] (with predicate rdf:type Object dbo:PoliticalParty)	dbr:Greece	[…]	

?Member	?Member_Name	?y
http://dbpedia.org/resource/Fofi_Gennimata	Fofi Gennimata	
http://dbpedia.org/resource/Euclid_Tsakalotos	Euclides Tsakalotos@en	
http://dbpedia.org/resource/Adonis_Georgiadis	Adonis Georgiadis	
http://dbpedia.org/resource/Vassilis_Leventis	Vassilis Leventis	
[…]	[…]	

At this stage no more tables/variables will be created. Now the first line in our code will be executed.
The cache of this slide will be also the same in the nexts slides.
The tables now, will be combined into one .
(in reality there is no combining action as we have all the time ONLY one table)

1. **select distinct ?Party_Name (COUNT(?Member) AS ?Number_of_Members)**
2. where { ?Party dbo:country dbr:Greece;
3.   rdf:type dbo:PoliticalParty;
4.   rdfs:label ?Party_Name.
5. OPTIONAL {?Party dbp:dissolved|dbo:closingYear|dbo:extinctionYear ?x}.

Line 1

Cache

?Party	dbr:Greece	?Party_Name	?x	?Member	?Member_Name	?y
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists		http://dbpedia.org/resource/Vassilis_Leventis	Vassilis Leventis	
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists		[…]	[…]	
http://dbpedia.org/resource/New_Democracy	dbr:Greece	New Democracy@en		http://dbpedia.org/resource/Adonis_Georgiadis	Adonis Georgiadis	
http://dbpedia.org/resource/New_Democracy	dbr:Greece	New Democracy@en		http://dbpedia.org/resource/Kiriakos_Mitsotakis	Kiriakos Mitsotakis	
http://dbpedia.org/resource/New_Democracy	dbr:Greece	New Democracy@en		[…]	[…]	
http://dbpedia.org/resource/ROZA	dbr:Greece	ROZA				
http://dbpedia.org/resource/	dbr:Greece	Panhellenic Socialist Moment		http://dbpedia.org/resource/Fofi_Gennimata	Fofi Gennimata	
dbpedia.org/resource/Syriza	dbr:Greece	Syriza		http://dbpedia.org/resource/Euclid_Tsakalotos	Euclides Tsakalotos@en	
dbpedia.org/resource/Syriza	dbr:Greece	Syriza		http://dbpedia.org/resource/Alexis_Tsipras	Alexis Tsipras	
dbpedia.org/resource/Syriza	dbr:Greece	Syriza		[…]	[…]	
[…] (with predicate rdf:type , Object dbo:PoliticalParty)	dbr:Greece	[…]		[…]	[…]	

Now the endpoint will show the ?Party_Name & will create a variable with the name "Number_Of_Members".
The variable Number_of_Members will have the total aggregated number of ?Members entries.
However, this will not be the final result as we have also the lines 14 & 15…

11.   FILTER (!bound (?y)).}.

12. FILTER langMatches(lang(?Party_Name), "EN")

13. }

14. GROUP BY (?Party_Name)

15. ORDER BY DESC (?Number_of_Members)

Line 14

Cache

?Party	dbr:Greece	?Party_Name	?x	?Member	?Member_Name	?y
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists		http://dbpedia.org/resource/Vassilis_Leventis	Vassilis Leventis	
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists		[…]	[…]	
http://dbpedia.org/resource/New_Democracy	dbr:Greece	New Democracy@en		http://dbpedia.org/resource/Adonis_Georgiadis	Adonis Georgiadis	
http://dbpedia.org/resource/New_Democracy	dbr:Greece	New Democracy@en		http://dbpedia.org/resource/Kiriakos_Mitsotakis	Kiriakos Mitsotakis	
http://dbpedia.org/resource/New_Democracy	dbr:Greece	New Democracy@en		[…]	[…]	
http://dbpedia.org/resource/ROZA	dbr:Greece	ROZA				
http://dbpedia.org/resource/	dbr:Greece	Panhellenic Socialist Moment		http://dbpedia.org/resource/Fofi_Gennimata	Fofi Gennimata	
dbpedia.org/resource/Syriza	dbr:Greece	Syriza		http://dbpedia.org/resource/Euclid_Tsakalotos	Euclides Tsakalotos@en	
dbpedia.org/resource/Syriza	dbr:Greece	Syriza		http://dbpedia.org/resource/Alexis_Tsipras	Alexis Tsipras	
dbpedia.org/resource/Syriza	dbr:Greece	Syriza		[…]	[…]	
[…] (with predicate rdf:type , Object dbo:PoliticalParty)	dbr:Greece	[…]		[…]	[…]	

…In the line 14, the results will be grouped by the ?Party_Name, so we can have a summary of total number of member per each political party…

11.   FILTER (!bound (?y)).}.
12. FILTER langMatches(lang(?Party_Name), "EN")
13. }
14. GROUP BY (?Party_Name)
15. ORDER BY DESC (?Number_of_Members)

Line 15

Cache

?Party	dbr:Greece	?Party_Name	?x	?Member	?Member_Name	?y
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists		http://dbpedia.org/resource/Vassilis_Leventis	Vassilis Leventis	
http://dbpedia.org/resource/Union_of_Centrists	dbr:Greece	Union of Centrists		[...]	[...]	
http://dbpedia.org/resource/New_Democracy	dbr:Greece	New Democracy@en		http://dbpedia.org/resource/Adonis_Georgiadis	Adonis Georgiadis	
http://dbpedia.org/resource/New_Democracy	dbr:Greece	New Democracy@en		http://dbpedia.org/resource/Kiriakos_Mitsotakis	Kiriakos Mitsotakis	
http://dbpedia.org/resource/New_Democracy	dbr:Greece	New Democracy@en		[...]	[...]	
http://dbpedia.org/resource/ROZA	dbr:Greece	ROZA				
http://dbpedia.org/resource/	dbr:Greece	Panhellenic Socialist Moment		http://dbpedia.org/resource/Fofi_Gennimata	Fofi Gennimata	
dbpedia.org/resource/Syriza	dbr:Greece	Syriza		http://dbpedia.org/resource/Euclid_Tsakalotos	Euclides Tsakalotos@en	
dbpedia.org/resource/Syriza	dbr:Greece	Syriza		http://dbpedia.org/resource/Alexis_Tsipras	Alexis Tsipras	
dbpedia.org/resource/Syriza	dbr:Greece	Syriza		[...]	[...]	
[...] (with predicate rdf:type , Object dbo:PoliticalParty)	dbr:Greece	[...]		[...]	[...]	

… And finally in the line 15 will order the list of results by the total number of members in each political party…

11.   FILTER (!bound (?y)).}.
12. FILTER langMatches(lang(?Party_Name), "EN")
13. }
14. GROUP BY (?Party_Name)
15. ORDER BY DESC (?Number_of_Members)

Line 15

To get the final results!

Results

Party_Name	Number_of_Members
"Panhellenic Socialist	49
"Syriza"@en	39
"New Democracy (Greece)"@en	38
"Communist Party of	14
"Movement of Democratic	5
"Social Agreement	2
"Golden Dawn (political	2
"Organization of Communist	1
"New Reformist Radical	1
"Union of Centrists"@en	1

"Union of the Democratic	0
"Communist Renewal"@en	0
"Start – Socialist Internationalist	0
"Communist Party of Greece	0
"Radicals (Greece)"@en	0
"ROZA"@en	0
"Olive Tree (Greece)"@en	0
"Workers Revolutionary	0
"Democratic Coalition	0
"Marxist–Leninist Communist	0

"Pirate Party of Greece"@en	0
"Revolutionary Communist	0
"Liberal Alliance (Greece)"@en	0
"Active Citizens"@en	0
"Drachmi Greek Democratic	0
"Movement for the United in	0
"Antarsya"@en	0
"Left Recomposition"	0
"Democratic Revival"@en	0
"Front of Solidarity and	0

"New Fighter"@en	0
"Rainbow (Greece)"@en	0
"Panhellenic Liberation	0

For the course of Special Issues on Information Systems
Symeon Kokovidis - ba1361@uom.edu.gr
January 2017