

SWS 2015 - 2016

Coursework Marking Scheme

Note on the intended use of this marking scheme:

- The numbers in brackets denote the maximum points to be earned for each element.
 - When the points scored in the sub-elements exceed the maximum of the parent element, they are capped to this maximum.
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Assignment 2

Deadline	25th of March
Marks	100

Assignment 2 - Part 1

Marks	50
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Questions:

1. [30/50] Execute your queries against your RDF dataset, using a standard SPARQL query engine.
 - Briefly explain how did you execute the queries (e.g. which tools have you used and how).
2. Then for **each** query:
 - List the query.
 - Briefly describe its coverage and usefulness (i.e. why it is representative).
 - Include the result set of the query, limited to no more than the first 10 results.
3. [20/50] Question about the SPARQL query that combines your data with 3rd party sources:
 - List the SPARQL query
 - Briefly describe the meaning of the query, i.e. what it is supposed to compute.
 - Explain which external data sources are being included and why they are they needed.

- Execute this query and include in your report the result set, limited to the first 10 results.
- **Only in case you did not create a federated query, and you are querying 3rd party data locally:** explain how you obtained this data, and how you combined it with your own dataset.

Marking scheme:

1. [30/100] Execute your queries against your RDF dataset, using a standard SPARQL query engine.
Briefly explain how did you execute the queries (e.g. which tools have you used and how).
Then for **each** query:
List the query.
Briefly describe its coverage and usefulness (i.e. why it is representative).
Include the result set of the query, limited to no more than the first 10 results.
 - (4) The student has clearly explained how the queries were executed
 - (2) The way the queries were executed is sound
 - (24) Max 8 points for each one of the three queries:
 - (2) The query is syntactically correct according to SPARQL or SPARQL 1.1, and does not contain any non-standard SPARQL construct
 - (2) The query is well formed. E.g. it does not have redundant parts, it makes a reasonably efficient use of the SPARQL language, etc.
 - (2) The student explained what is the coverage of the query (which parts of the datasets are used), and the usefulness (for example by providing some application scenario).
 - (2) The results of the query are given, and they are correct according to the intended purpose of the query.
2. [20/100] Question about the SPARQL query that combines your data with 3rd party sources:
List the SPARQL query
Briefly describe the meaning of the query, i.e. what it is supposed to compute.
Explain which external data sources are being included and why they are they needed.
Execute this query and include in your report the result set, limited to the first 10 results.
Only in case you did not create a federated query, and you are querying 3rd party data locally: explain how you obtained this data, and how you combined it with your own dataset.
 - (2) The query is syntactically correct according to SPARQL or SPARQL 1.1, and does not contain any non-standard SPARQL construct

- (2) The query is well formed. E.g. it does not have redundant parts, it makes a reasonably efficient use of the SPARQL language, etc.
- (2) The student explained what is the purpose of the query and why it would be useful to compute.
- (4) The student explained why the query cannot be answered by any of the considered sources individually, and why all of them are needed.
- (2) The student has clearly described which external data sources have been included in the query.
- (2) The results of the query are listed clearly
- (2) The results of the query are correct according to the intended purpose of the query
- (4) IF: the student has used a federated query
ELSE:
 - (2) The student has explained how the 3rd party datasets was obtained
 - (2) The student has explained how the 3rd party datasets were combined together with the local one