

Assignment 2

Due: Nov 7, 2017

Subject: Querying RDF data using SPARQL

- 1) Find and download an ontology from the web. For example:
<https://github.com/jaymyers/gs1-ontology/blob/master/ontology/products.ttl>
You can search Google by “ontology filetype:ttl” or some other keywords.
- 2) Write 10 SPARQL queries on the ontology. You should use SELECT, FILTER, ASK, CONSTRUCT, UNSAID, OPTIONAL, UNION, ORDER BY, COUNT/SUM clauses as least once.

Submit the following files:

- Ontology (**ont_name.owl or .ttl**)
- Graph model of the ontology (major components of it) (**ont_name.pdf**)
- 10 queries in both natural language (question) and SPARQL form, followed by the result of each query (**queries.txt**) [Format: Q1: SPARQL: Result:]

Notes:

- You can use Protégé application’s SPARQL tab.

Grading:

- Technical completeness: Use of all SPARQL features mentioned above %40
- Comprehensiveness: How sophisticated and comprehensive the queries are %40
- Data: You should have enough representative examples (individuals) %20

Submit your work as a zip/rar file (**asg2-your-name.zip**) to webonline.

References:

- [Download](#) Protégé editor
- [Protégé tutorial from CO-ODE project](#)

Note: No late assignments.