

BiL 546 Semantic Web
Fall 2015
Erdogan Dogdu

Assignment 2

Due: Oct 13, 2015

Subject: Querying RDF data using SPARQL

Write 10 SPARQL queries on the ontology you developed in the previous assignment. You should use SELECT, FILTER, ASK, CONSTRUCT, UNSAID, OPTIONAL, UNION, ORDER BY, COUNT/SUM clauses at least once.

Submit the following files:

- (RDF/S) Ontology (**ont_name.owl**)
- Graph model of the ontology (**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**) by email to edogdu@ with subject line "[BiL546] Asg 2"

References:

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

Late assignment policy: %10 off for each late day after the deadline, and not acceptable after 3 days.