

Semantic Web

Exercise sheet 13

Tools

Exercise 1 (Ontology editor) (10 points)

Using Protégé¹ as the ontology editor implement the ontology from Exercise 2 in OWL exercise (Exercise sheet 7). The solution should contain the ontology provided in arbitrary notation.

Exercise 2 (RDF(S) Storage) (10 points)

Deploy the RDFS ontology developed in Exercise 1 and Exercise 2 from Exercise Sheet 3 in RDFS-enabled Sesame repository². Formulate and execute 3 queries which are exploiting implicit (i.e., derived) statements in the ontology. The solution should include ontology dump and query definitions together with the query results.

¹ The installation package of Protégé can be found at <http://protege.stanford.edu>.

² Access to an instance of OpenRDF Sesame will be provided to students during the exercise preparations.