

RDFS Lab

Ressources

A Text editor, e.g. Natepad++, Sublime Text

RDF Validation and Converter Services :

- <http://rdf-translator.appspot.com/>
- <https://www.easyrdf.org/converter>

The W3C validator Service: <http://www.w3.org/RDF/Validator/>

The Corese semantic engine: <https://project.inria.fr/corese/>

Declare the RDF schema that you used to describe Margot and her relatives in a Turtle file `myFirstOntology.ttl`. Of course, this requires that class and property URIs used in the RDF description correspond to the ones declared in the RDFS schema.

Search for existing vocabularies that you could reuse for the description of Margot (e.g. FOAF) and update your RDF description. As a result, Margot's description will combine the use of an existing vocabulary and your vocabulary.

Validate your RDF schema with an online RDF validation service.

Launch the Corese standalone interface.

Load the files `myFirstOntology.ttl` and `first.ttl`.

A default SPARQL query is available. Execute the query and examine the result.

Update the query as follows, execute it and examine the results

```
select * where {?x rdf:type rdfs:Class}
```

Update the query as follows, execute it and examine the results

```
select * where {?x rdf:type rdf:Property}
```