

Introduction to the Semantic Web

Work sheet 9

Deadline: Tuesday, January 8, 13:00

Question 1

Describe the connection between *Linked Data* and the *Semantic Web*.

Question 2

Write a HTML page and add some Linked Data about yourself and your interests in RDFa, using the FOAF vocabulary (<http://xmlns.com/foaf/spec/>).

For an example, see <http://iricelino.org/rdfa/sample-annotated-page.html>

If you have access to a webserver: Publish the page on the WWW.

Try to convert your RDFa into RDF using this converter <http://www.easyrdf.org/converter>

Question 3

Name *Best Practices* for Publishing Linked Data.

Question 4

Make yourself familiar with techniques for debugging Linked Data sites with the Linux command line tool `curl`, using the following page:

<http://richard.cyganiak.de/blog/2007/02/debugging-semantic-web-sites-with-curl/>

Afterwards run the following three commands in your command line terminal and explain the results:

1. `curl -I http://dbpedia.org/page/Bielefeld_University`
2. `curl -I http://dbpedia.org/resource/Bielefeld_University`
3. `curl -I -H "Accept: application/rdf+xml" http://dbpedia.org/resource/Bielefeld_University`