

# Semantic Web Engineering

## Exercise 1 - Resource Description Framework (RDF)

Due: 12:00 am, October 21, 2010

Required Reading: RDF Primer <http://www.w3.org/TR/rdf-primer/>

Use the RDF Primer and the lecture slides to answer the following questions. Be prepared to present your solutions in the lecture on October 22, 2010.

### 1. Modeling of Groups

Model the top three tennis player as RDF graph. (1. Nadal, R. - 2. Federer, R. - 3. Djokovic, N.) *a)* In a way that additional players can be added. *b)* In a way that this list cannot be extended.

### 2. Modeling the Origin of a statement

Model the following sentences as RDF graph using reification:

- Romeo thinks, Julia is dead.
- John believes, that Mary wants to marry him.
- The dwarf recognized that someone ate from his plate.