Due on: Thursday 14.07.2005 by 14:00 (in class)

Exercise 1

Create a RDFS ontology about Company and Person in RDF N3 notation.

Given the following relations: Company, IT Company, Marketing Company, Person, Employee, Project Manager, CEO, Board member

- Company has a location.
- Person has a name and is employed by a company.
- Employee and Board member are persons.
- Project Manager is an employee.
- CEO is a board member and an employee.

Exercise 2

a) What is an ontology? Name two different representations for ontologies. How do they differ?

b) Write down an ontology in the domain of Company and Person from exercise 1, using the OWL Abstract syntax. Create at least 2 instances of 2 different classes.

c) Write down the ontology in Description Logics (DL) syntax.