

Foundations of Semantic Web Technologies

Tutorial 1

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Exercise 1.1 (Needles in a haystack). Find the following information in the Web:

- Find at least one professor of ICCL who published at the journal *Fundamenta Informaticae*.
- Find two siblings who were both awarded or nominated for an academy award for acting, but never acted in a movie together.
- Find three countries with a population of at least one million people whose tallest building is taller than its highest natural elevation (i.e., its tallest mountain or hill measured from sea level). The building is measured from the ground up (i.e., a 3 metre building on a 1000 metre mountain counts as 3 metres).

Exercise 1.2 (First RDF). Model the following sentences using RDF. For now, you can use the empty prefix (that is a simple colon) in your examples.

- Romeo loves Juliet.
- Romeo loves someone.
- Batman knows Robin and Robin knows Batman.
- Batman says "hi".
- 'Batman Returns' stars Michael Keaton in the role of 'Batman'
- 'Batman Returns' stars Michael Keaton in the role of 'Batman' and 'Batman Begins' stars Christian Bale in the role of 'Batman'.
- 'Batman Returns' stars Michael Keaton in the role of 'Batman' and 'Batman Begins' stars Christian Bale in the role of 'Batman' and 'Batman Returns' stars Christian Bale in the role of 'Robin' and 'Batman Begins' stars Michael Keaton in the role of 'Robin'.
- For the preparation of Chutney, you need 1 lb green mango and a teaspoon Cayenne pepper, ...