NATURAL LANGUAGE PROCESSING

ASSIGNMENT 2: ONTOLOGY MANAGEMENT – NEWS

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* Identify concepts and relationships that exist in text.
* Design an ontology according to the identified concepts and relationships.
* Write a Python script that can extract some instances using rules (e.g. regular expressions) and add them programatically to the ontology (using Fuseki).
* Manually write SPARQL insert statements so that you will add additional instances and relationships which were not identified using a Python script.
* Write 5 sensible SPARQL queries for your ontology and explain them (queries should use filtering, ... - read more about syntax here <https://www.w3.org/TR/sparql11-query/>).