

Assignment-10

Contents:

- My zip folder consists of following things:
 1. Folder named "Jena" which contains code for the sparql queries.
 2. Video of the sparql query output.
 3. The query files and the N3_Notation file.
 4. The rdf schema generated from N3_Notation file is stored in the Jena folder.
- Following points are for N3 notations:
 1. Surgeon, Radiologist and Internist are type of provider.
 2. Used SubclassOf To define Surgery, Radiology, DrugTreatment form of Treatment
 3. Define Recievedby as an object property that relates treatment to patient
 4. Define RadiologistProvided as an object property with range extending to Radiologist and domain as Treatment.
 5. Define Providedby as an object property that relates treatment to provider.
 6. Define Property Received which inverse RecievedBy
 7. Restriction Class equivalent to Radiologist class which implies few values from RadiologyPatient.
 8. Functional and InverseFunctional property are used to define patient id as unique and not shared between two patient.
- I used following command in command prompt for executing the sparql queries.
 1. bat\sparql.bat --data=owl.rdf --query=querypatient.rq
 2. bat\sparql.bat --data=owl.rdf --query=querytreatment.rq