Warm Up Task (KG)

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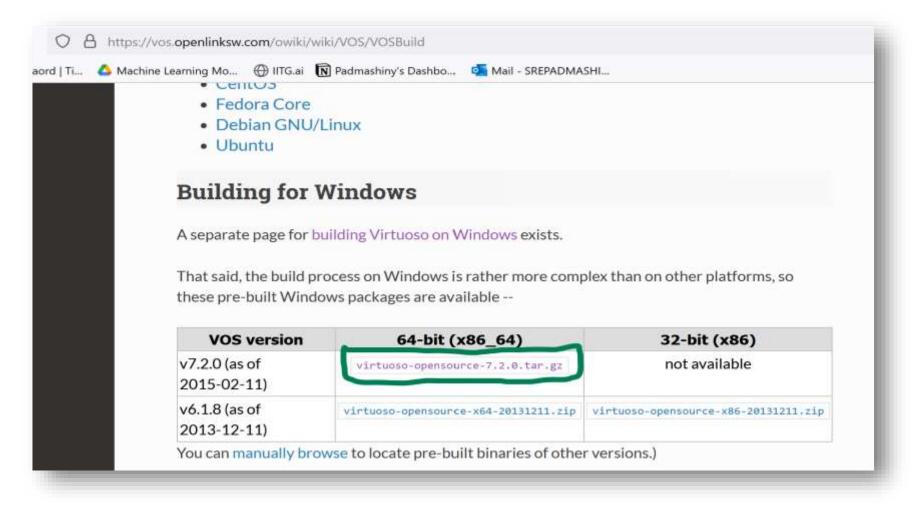
Warmup Tasks

1.To download latest Archivo ontologies (as ntriples files) and load them into a Virtuoso (see Archivo - Ontology Access 7 for instruction).

- 2. To write a SPARQL query to count all classes that are defined in the dowloaded ontologies.
- **3.**To write a grep or awk command to count all classes directly on the downloaded files and check if there is a difference.

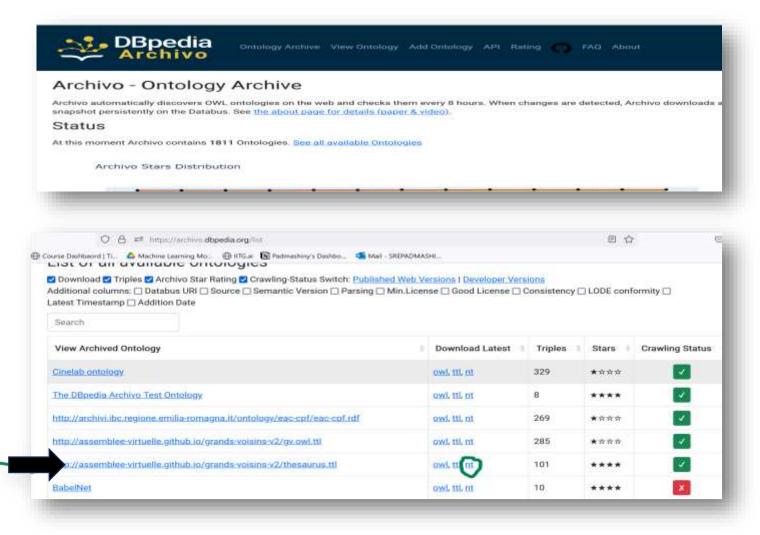
Task 1.1

Downloaded Virtuoso for windows and completed the setup



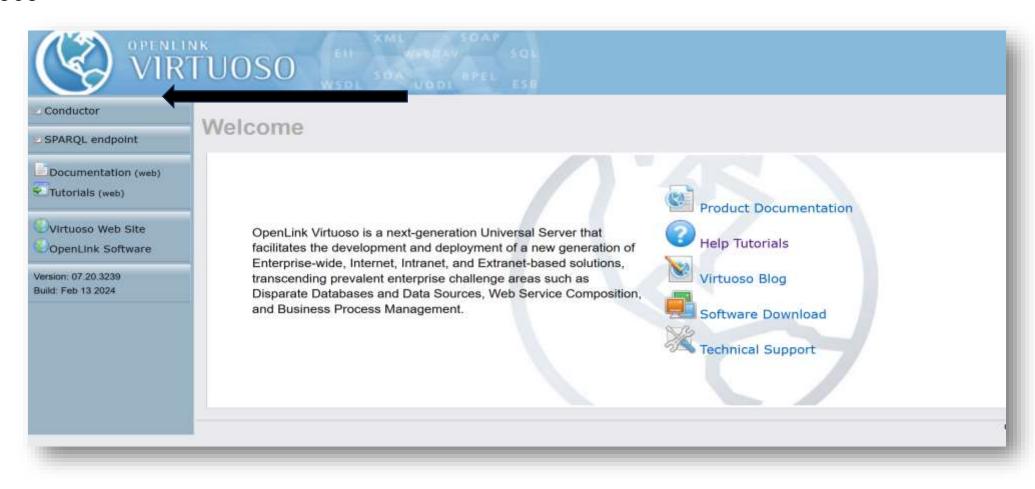
Task 1.2

Downloaded the latest Archivo ontologies (as ntriples files)



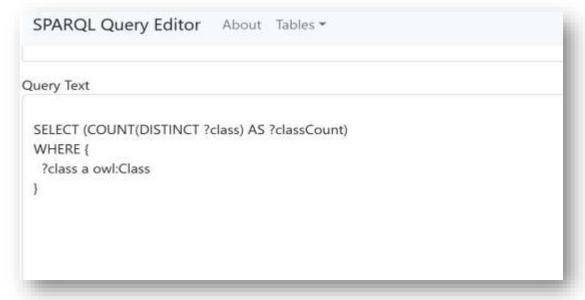
Task 1.3

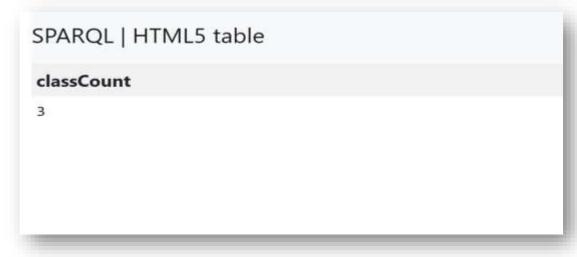
I then logged in into virtuoso conductor with my credentials. I first uploaded my downloaded rdf file. I then clicked SPARQL endpoint. Then I wrote a SPARQL Query to count the number of classes



Task 2

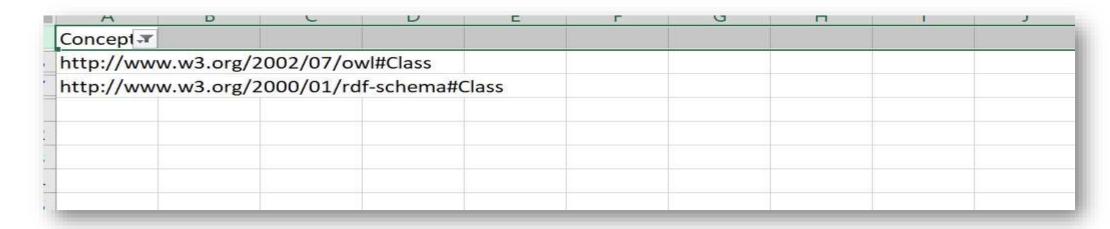
Executed following query and got the result as 3





Task 3

To count all classes directly on the downloaded files I had downloaded the csv version of the rdf file using virtuoso itself and checked the number of classes in excel.



Number of classes is 2.

Result: Yes there is a difference in the number of classes.

Thank you