

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING COMPUTER SCIENCE

MSC

MODULE -

CME728_SEMANTIC WEB_1

Final Project

Faculty Department

Submitted to

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1. Find a domain that is proper for you.

The domain that I want to study is about my Faculty which is Computer Engineering and I want to make ontology about this domain, so I will try to make the relationship and the instance that I have in my domain that includes the subject and the professor and the course in this semester.

2. In your domain, find a dataset to transform.

I create datasets manually and give the information and the attributes and make that propriety by flowing explaining the text that I want to create the ontology.

3. Create a schema for your data.

By representing the class or subclass and others representing attributes, my data set has 19 columns.

Class (Faculty).

Courses: (the name of the Courses).

Department: (3defffrint department IT, CS, IS).

Professor: the name of the Professor includes 5 pressers.

Student (New Student, Old Student include 4 students).

Data Property: (Name, Code, Age, Course_Name, Semester, Student ID, Type).

Object Properties: (has_Boss, has_Professor, has_student, has_supervisor, Register, Register_By, Teacher).

Individuals (5 professors,4 Students,5 courses,3 Departments).

I tried to convert my CSV using OpenRefine software to exper the schema or to transform to RDF and was to try creating in the wiki data about this data, so I made an account and already create one. Then I tried to find software where I can create my ontology.

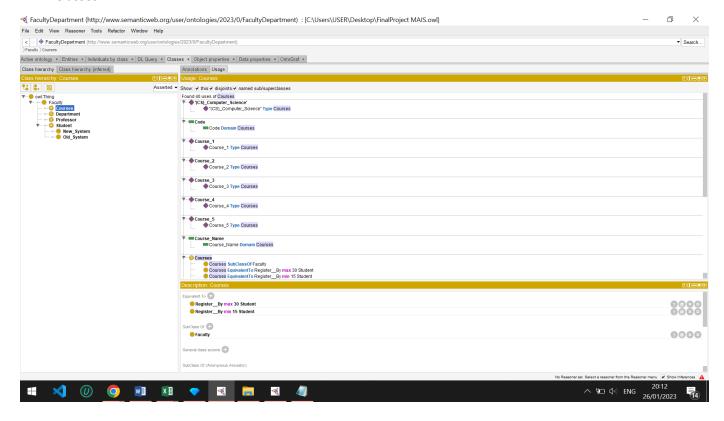
Also, I will provide an XML file.

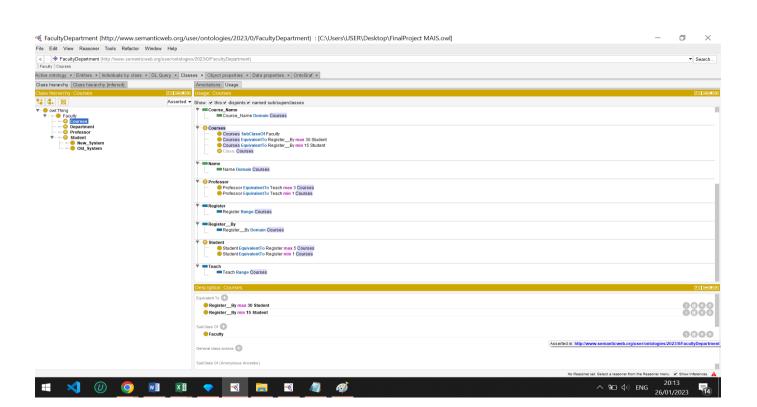
- I) What to transform: The dataset and schema that I have identified and created.
- **II) How to transform:** The tool or library that I will use to convert my data into an ontology is Protégé.
- **III) What was obtained from the transformation:** The resulting ontology in RDF or OWL format. I provide a sample of my raw input file, the transformation processor used, and the RDF output file.

All Doucument will provide by googel Driv Link:

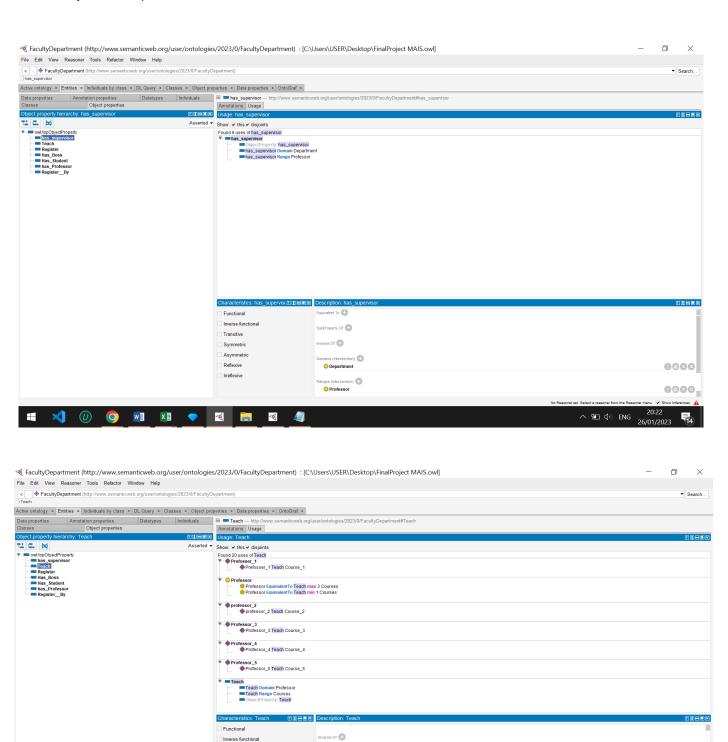
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Classes





Objective Proprties



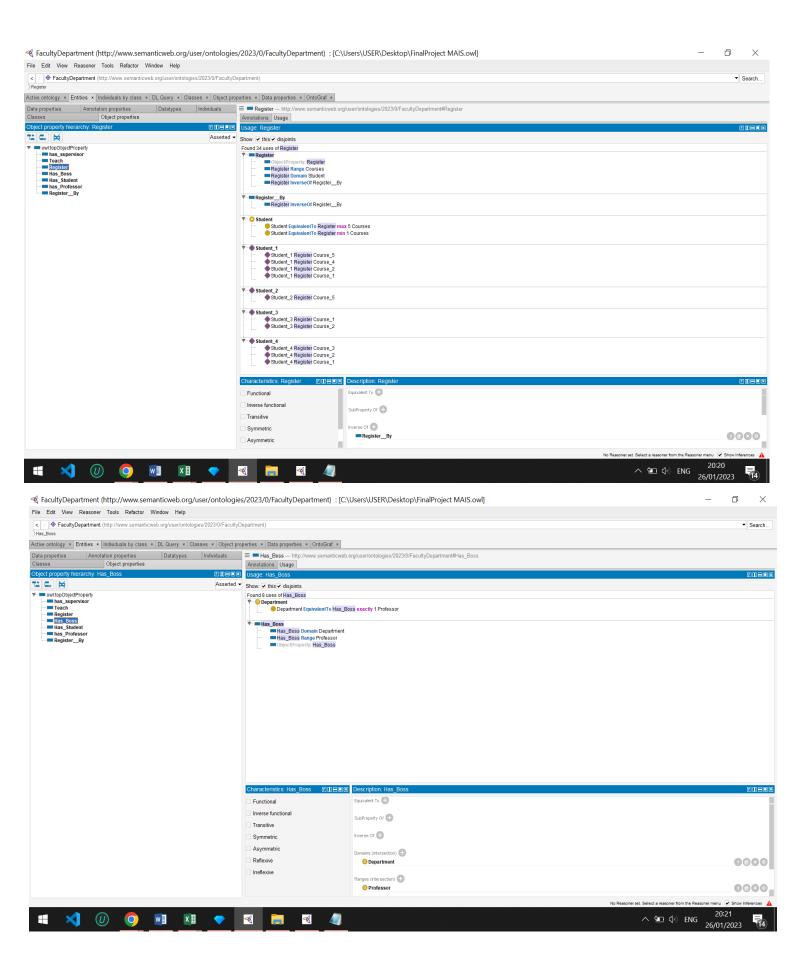
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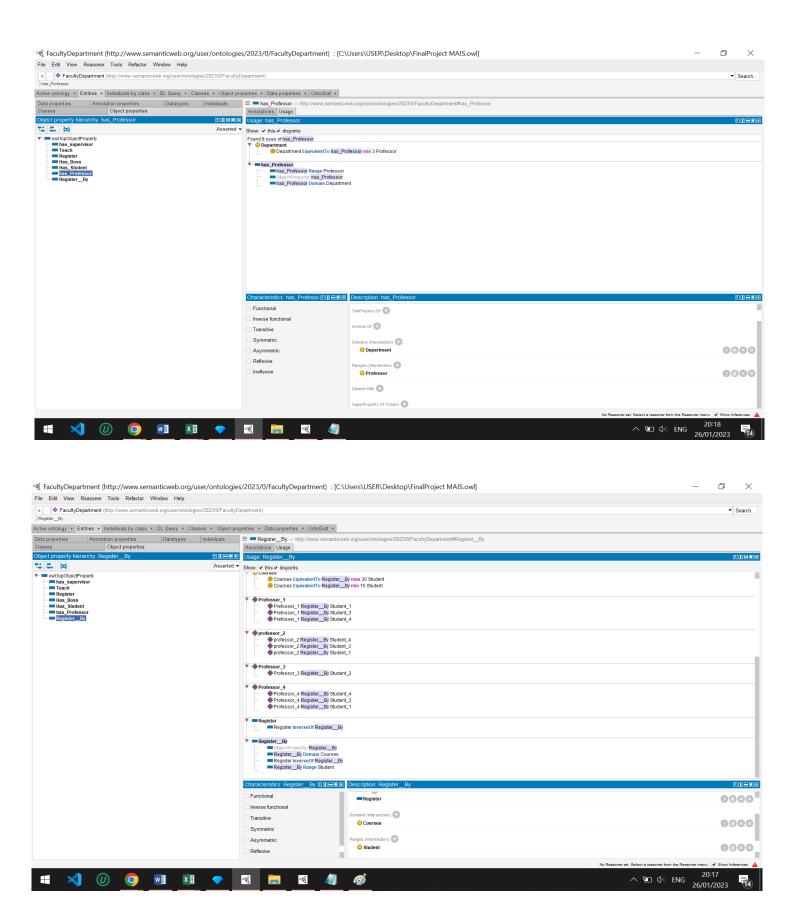
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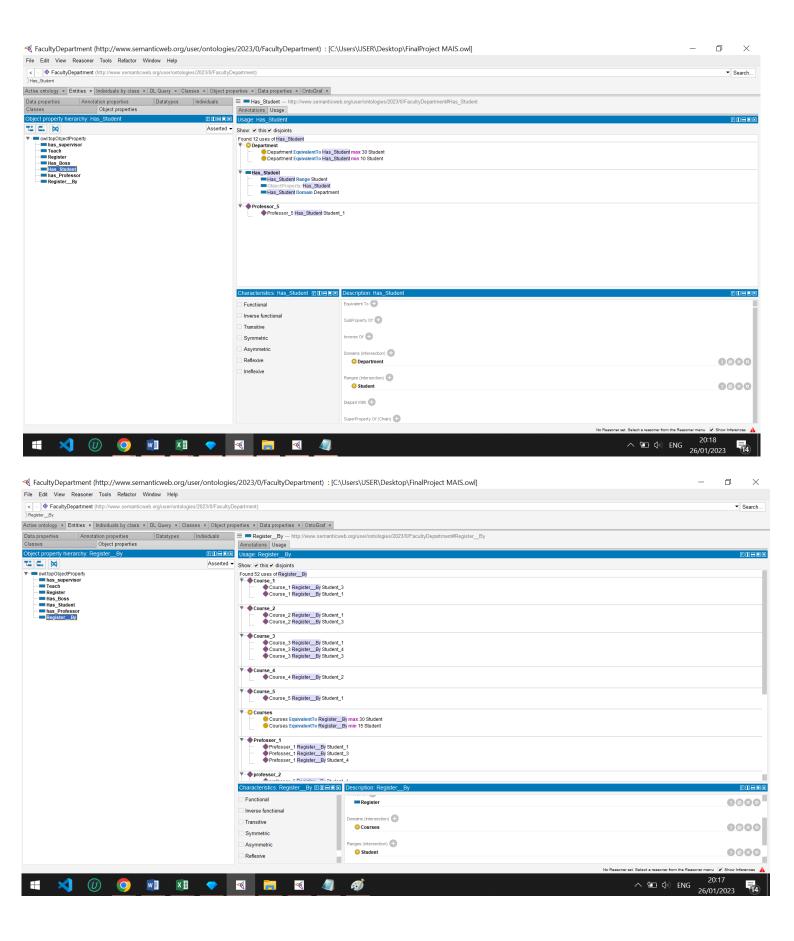
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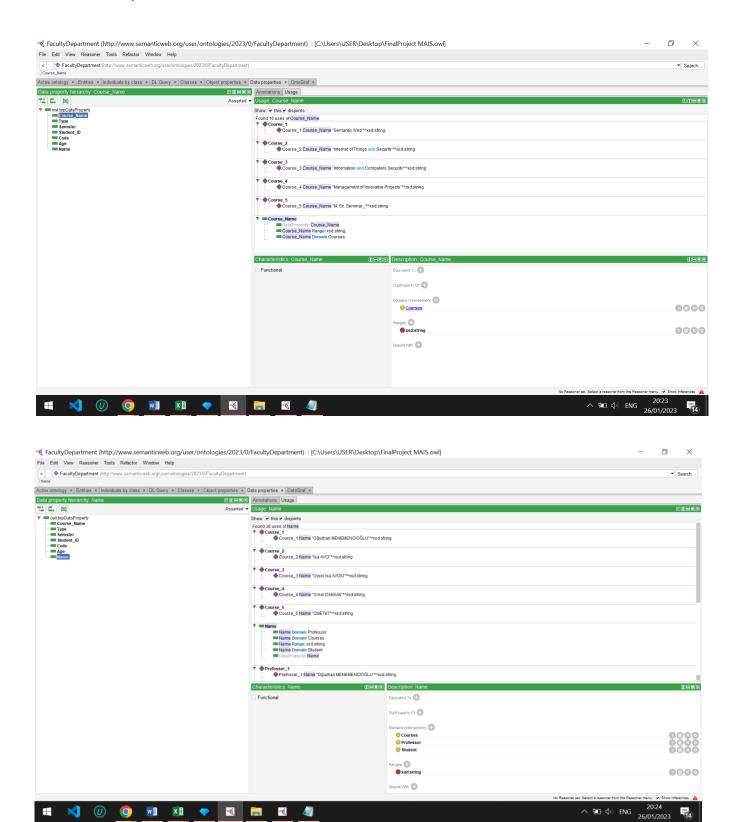
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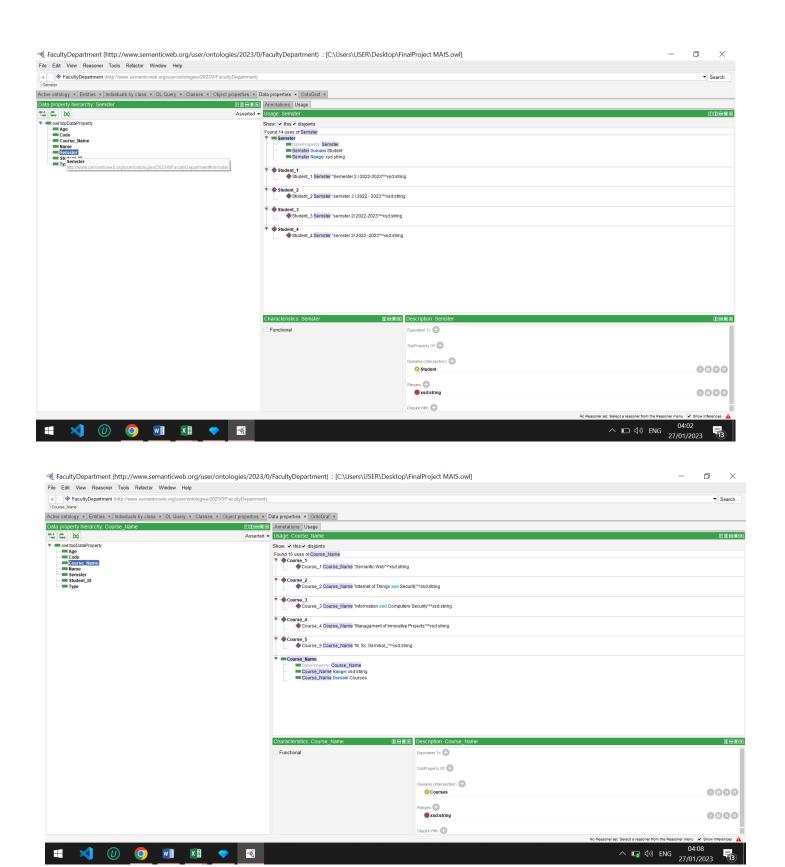




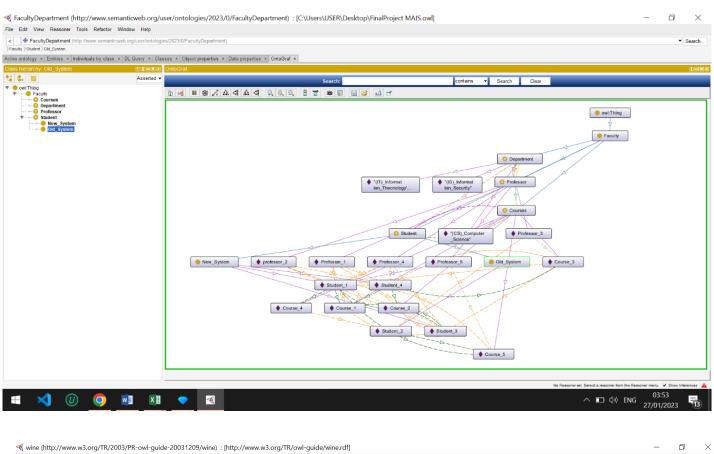


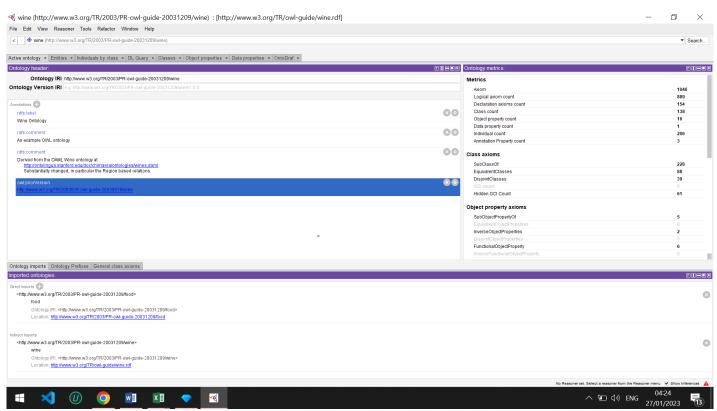
Data Proprites

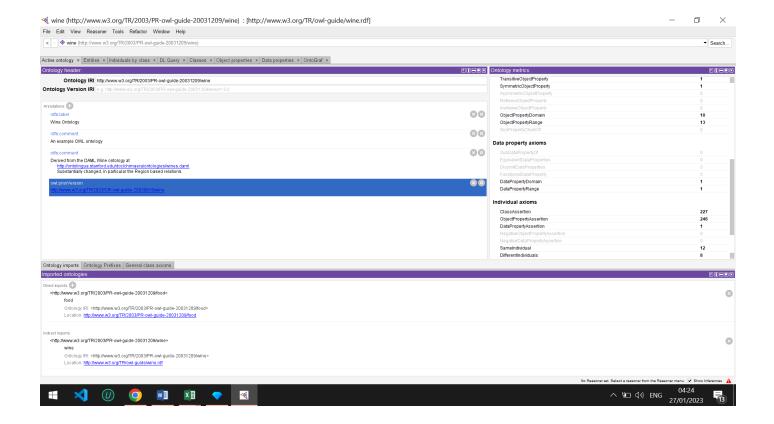




OntoGraf







Individual

