Lab8
SQL (Structured Query Language)

Objectives:

- Ability to write complex SQL queries.
- Using and referencing Composite keys
- Know how to use Union, Exists and implementing division.

Database:

The following relations show basic entities of Course Registration Processing System.

Implement the following schema using DDL statements:-

department (dept_id, dept_name)
student (student_id, student_name, major, level, age)
professor (prof_id, prof_name, dept_id)
course (course_code, name**)**
semester_course (course_code, quarter, year, prof_id)
enrolled (student_id, course_code, quarter, year, enrolled_at)

SQL Queries :

1. Find the names of students with level “SR” who are enrolled in a class taught by professor whose id=“1”.
2. Find the names of all students and their courses' name even if they weren’t enrolled in any course.

You should submit the following:

- DDL scripts for database creation.
- SQL query you used to answer the questions above and the output/error if any
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