

CS2801T – Database Management System Lab

Exercise :

From following Relational Schema, fetch the data based on the questions given.

- Student (RollNo, Name, Degree, Year, Sex, DeptNo, Advisor).
- Department (DeptId, Name, HoD, Phone).
- Professor (EmpId, Name, Sex, StartYear, DeptNo, PhoneNo).
- Course (CourseId, CourseName, Credits, DeptNo).
- Enrollment (RollNo, CourseId, Sem, Year, Grade).
- Teaching (EmpId, CourseId, Sem, Year, Classroom).
- Prerequisite (Prereqcourse, courseId). [Prereqcourse: Complete C1 before enrolling C2].

1. Get the EmpId, Name of the senior-most professors.
2. Get the RollNo and Name of the students whose gender is same as their advisor's.
3. Get the EmpId and Name of professors who advise at least one women student.
4. Obtain the department Id and Name of departments that do not offer any 4 credit courses.
5. Determine the students who are enrolled for every course taught by Prof. Ramanujam. Assume that Prof. Ramanujam teaches at least one course.
6. Determine the students who have obtained either 'S' or 'A' grade in all the pre-requisite courses of a specific course (CS7890). It is known that CS7890 has at least one pre-requisite.
7. Get the Name and Contact Phone of all the Departments.
8. Obtain the Roll Numbers of students who are currently enrolled for either CS2300 or CS2320 courses.
9. Obtain the Roll Numbers of students who are currently enrolled for both CS2320 and CS232 courses.
10. Obtain the Roll Numbers of students who are currently not enrolled for CS2300 course.

Submission: A PDF file containing the query and its output should be submitted on the LMS page.