

CS241 - Questions for Lab Assignment 6

1 INSTRUCTIONS

- This lab is graded. Each question carries 2 marks. Maximum marks: 14
- Store answers for all questions in a single text file.
- Create the following relations:
Student(snum: integer primary key, sname: varchar(40), major: varchar(40), level: varchar(40), age: integer)
Faculty (fid: integer primary key, fname: varchar(40), deptid: integer)
Class(name: varchar(40) primary key, meets_at: varchar(40), room: varchar(40), fid: integer references faculty)
Enrolled(snum: integer references student, cname: varchar(40) references Class(name))
- There are 4 text files attached in the mail. Insert data from these text files into the corresponding created tables of previous question.

2 QUESTIONS

- (1) Find the names of faculty members who teach in every room in which some class is taught.
- (2) Find the names of faculty members who teach the minimum number of classes.
- (3) Find the names of students who have not enrolled in any class.
- (4) Find names of courses which have been conducted in rooms where atleast 5 courses have been taught.
- (5) Find the times at which classes occur for those courses for which at least two students have enrolled and the course name starts with 'D'.
- (6) List the students who are older than 20 years whose major is a branch of Engineering and whose standing is either FR or SR.
- (7) Find the names of students who have enrolled for classes by those faculty members whose combined enrollment of the courses that they teach is less than two.