CS241 - Questions for Lab Assignment 3

1 INSTRUCTIONS

- This lab is graded. Each question carries 2 marks. Maximum marks: 18
- Store answers for all questions in a single text file.

2 QUESTIONS

(1) 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: time, room: varchar(40), fid: integer references faculty)

Enrolled(snum: integer references student, cname: varchar(40) references Class(name))

(2) There are 4 text files attached in the mail. Insert data from these text files into the corresponding created tables of previous question.

(3) Find all classes conducted in room "R128".

(4) Find all the faculty members who use room "R15". (List their ids, names and department ids).

(5) Find the name of the faculty member who teaches "Orbital Mechanics".

(6) Find the names of all students who are enrolled in a class taught by "John Williams".

(7) Find the names of all Seniors (level = SR) who are enrolled in a class taught by "Ivana Teach".

(8) Find the courses that "Lisa Walker" has enrolled in.

(9) Find the names of students who have taken at least one course.