

COMPSCI 410/510 Databases (Spring 2015)

Programming Assignment #2 due on 02/18/2015, Wednesday (11PM)
Points 100

Introduction:

In addition to this problem definition, the assignment folder (Location on onyx: /home/faculty/vijaydialani/cs410/labs/lab2) contains the following:

1. A script to create the university database
2. A number of out files that contain expected results for each of the 11 subparts of the question.

This assignment asks you to write 11 SQL queries to retrieve information from the university database created using university-schema.sql script file.

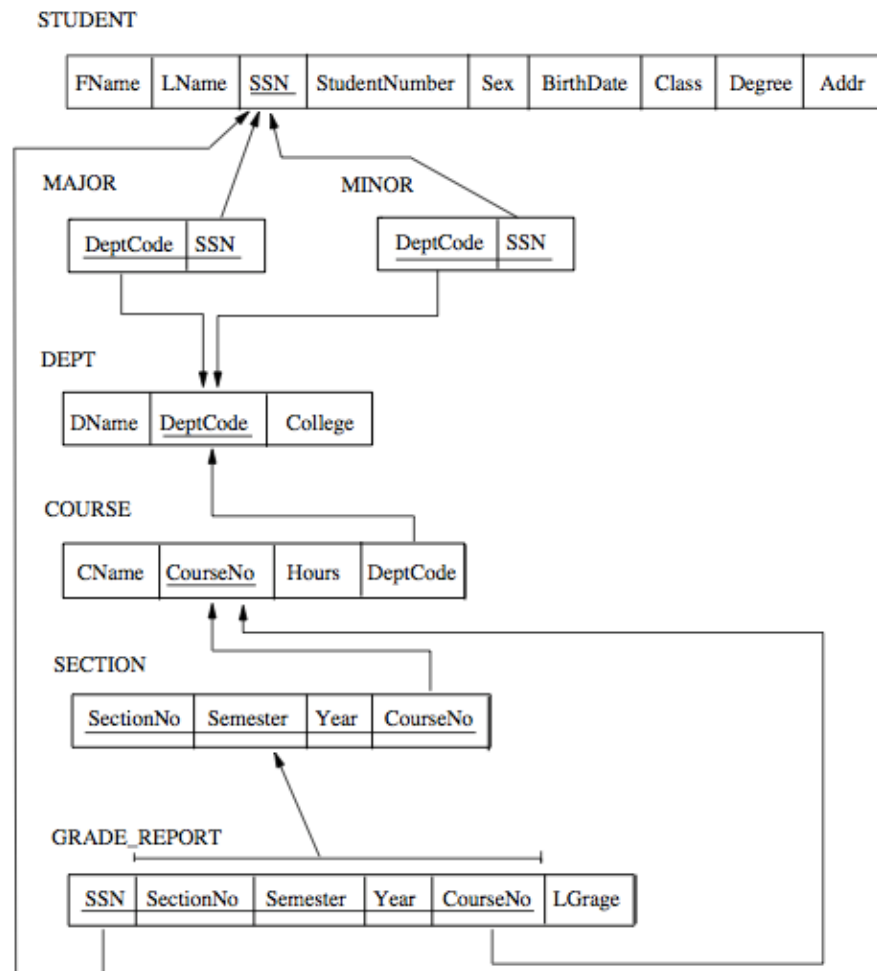
Description:

The 11 queries are listed below. Please name your script files Q1.sql, Q2.sql,..., Q11.sql for the queries.

1. Retrieve the names of all students who major in computer science.
2. Retrieve the names of all students who didn't take any course from the computer science department.
3. For each college, count the number of sections offered by that college.
4. Retrieve the names of students who only took courses from his/her major department.
5. Retrieve the names of students whose accumulated credit hours are greater than or equal to 10 (Only passed courses will be counted; A passed course means the student get a grade C or above).
6. Retrieve the names of departments which offered at least 2 courses (not sections) in spring, 2001.
7. For each student who took courses from his/her minor department, retrieve the student's name, the course name, and the grade the student received.
8. Retrieve the name of each student who claims a minor in a college, which is different from the student's major college.
9. Retrieve the name of each student who has claimed minor(s), but has not yet received any grade from any of his/her minor departments.

10. Retrieve the names of students who have taken all the courses offered by his/her major department. Show the result in ascending order of student's last name, first name.
11. Retrieve the department name of every department which has more minor students than major students.

Attached is the university database schema for your quick reference.



Submission Instructions:

Create a single tar file that contains Q1.sql, Q2.sql,...,Q11.sql and use the command:

submit vijaydialani cs410 p2

Submissions open on 02/10/2015