

In Class Exercise

In the previous class we created a database to allow students to register for a course. The database is below.

Answer the following questions in SQL. (If you have to modify or make changes to the database, show your changes for each question.)

1. What is the name of the lecturer who is teaching courseNumber 123 section 54?
2. Show the first and last names of all lecturers who teach courseNumber 123.
3. List the names of departments that are in the arts and sciences (may have to modify the database).
4. List the names of all departments that are in the arts and sciences and have at least 10 students registered for each course in the Spring Semester of 2016 (may have to modify database).
5. Show the number of times that lecturer, Jason Carter, taught courseNumber 623 in the SILS department (may have to modify database).
6. Show how many times the course 623 was taught in the Spring semester of 2016.
7. Show how many students chose in Library & Information Science as their major.
8. Show the courseNumber and section that all students in courseNumber 623 section 001 are taking in the Spring Semester of 2016 (may have to modify database).
9. Show how many students are from the state of California?
10. Show how many students that are a) from the state of California, b) chose Library & Information Science, and c) are taking courseNumber 623 in the Spring semester of 2016.

student

pid (PK)
major

people

user_name
pid (PK)
firstname
lastname
city
state

lecturer

pid (PK)

department

dept_id (PK)
name

department_lecturer

pid (PK)
dept_id (PK)

course_lecturer

course_id
lecturer_pid

course

course_id (PK)
courseNumber
section
name

student_course

pid(PK)
course_id (PK)
year
semester