

Lab4

Use following relations (Primary Keys are underlined) to answer the questions below.

classroom(building, room_number, capacity)
department(dept_name, building, budget)
course(course_id, title, dept_name, credits)
instructor(ID, name, dept_name, salary)
section(course_id, sec_id, semester, year, building, room number, time_slot_id)
teaches(ID, course_id, sec_id, semester, year)
student(ID, name, dept_name, tot_cred)
takes(ID, course_id, sec_id, semester, year, grade)
advisor(s_ID, i_ID)
time_slot(time_slot_id, day, start_time, end_time)
prereq(course_id, prereq_id)

1. Find ids of the instructors who teach in the Fall semester and year 2009.
2. Find unique names of the instructors who teach in the Fall Semester and year 2009 and make more than \$80000.
3. Find pair of courses that have the same pre-requisites.
4. Return the number of courses in the Biology department.
5. Find the instructor name and the titles of the courses they teach.