Q 1 . Find the course id, title, instructor id and name of those instructors who are from CSE department but are teaching a course of Civil department in the year 2009. Arrange results in ascending order of instructor names.

Solution : select i.id,i.name,c.course_id,c.title from instructor i,teaches t,course c where t.year='2009' and i.id=t.id and i.dept_name='Comp. Sci.' and t.course_id=c.course_id and c.dept_name='Civil Eng.' order by i.name;

Q 2. Find the sections that had the maximum enrollment in Fall 2009.The result should display course_id and sec_id.

Solution : with sec_enrollment as (
select course_id, sec_id,count(*), count(ID) as enrollment
from section natural join takes
where semester = 'Fall'
and year = 2009
group by course_id, sec_id)
select course_id, sec_id
from sec_enrollment
where enrollment = (select max(enrollment) from sec_enrollment);