

1. select p_name from professors inner join departments
on departments.d_name=professors.d_name where departments.num_phds > 50
2. select s_name from students order by gpa asc
3. select enroll.c_number, enroll.s_number, avg(students.gpa) from enroll inner join students on
enroll.s_id
where d_name='Computer Sciences'
group by enroll.c_number, enroll.s_number
5. select students.s_id as id, students.s_name as sname, count(*)
from students inner join enroll
on students.s_id=enroll.s_id
group by students.s_id, students.s_name
having count(*) =

(select max(A.no_of_students) from (select count(*) as no_of_students
from students inner join enroll
on students.s_id=enroll.s_id
group by students.s_id, students.s_name) as A)
4. select courses.c_number, enroll.s_number, count(*) as student_count from enroll inner join courses
on enroll.c_number = courses.c_number
group by courses.c_number, enroll.s_number
having count(*) > 6
6. select major.d_name from major inner join students on major.s_id=students.s_id where
students.age<18
7. select students.s_name, major.d_name from students inner join major on students.s_id=major.s_id
inner join enroll on students.s_id = enroll.s_id where enroll.d_name='Geometry'
8. select departments.d_name, departments.num_phds
from departments inner join major on major.d_name=departments.d_name
inner join enroll on major.s_id=enroll.s_id
where not enroll.d_name='Geometry'
9. select students.s_name
from students inner join enroll on students.s_id=enroll.s_id
where enroll.d_name in('Computer Sciences', 'Mathematics')
group by students.s_name
10. select max(students.age) - min(students.age) as age_difference from students inner join major on
students.s_id = major.s_id
where major.d_name='Computer Sciences'
11. select departments.d_name, avg(students.gpa)
from departments inner join major
on departments.d_name = major.d_name

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inner join students  
on major.s_id = students.s_id  
where students.gpa < 1.00  
group by departments.d_name
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12. select students.s_id, students.s_name, students.gpa from students inner join enroll  
on students.s_id=enroll.s_id  
where enroll.d_name='Civil Engineering'
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