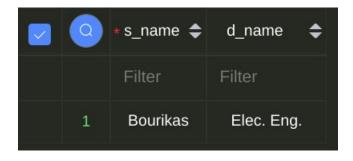
ASSIGNMENT - 7 DMBS LAB(CSP362)

-Deepansh Lodhi(2018ucs0083)

1. Show the Student name and department name of the student having grade =4.

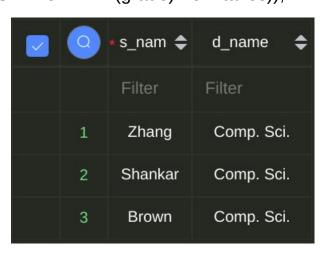
select s_name,d_name from student where s_id = some (SELECT s_id from takes where grade=4);



2. Show the Student name and department name of the student having highest grade.

select s name, d name

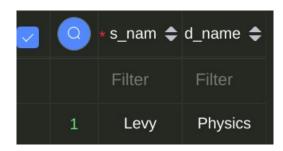
from student where s_id = some (SELECT distinct s_id from takes WHERE grade=(SELECT MAX(grade) from takes));



3. Show the Student name and department name of the student having lowest grade.

select s_name,d_name

from student where s_id = some (SELECT distinct s_id from takes WHERE grade=(SELECT Min(grade) from takes));



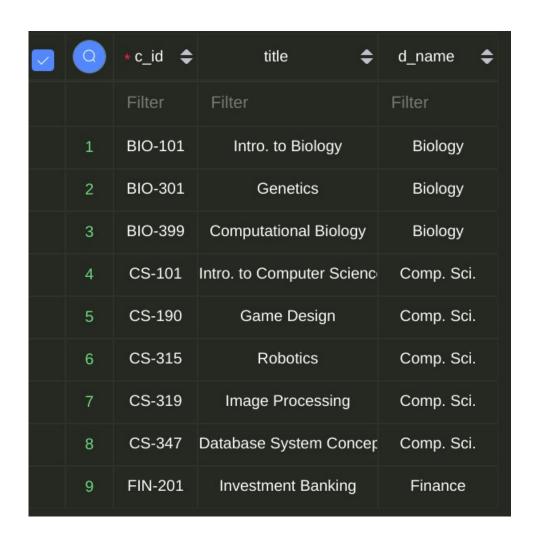
4. Show the inst name department name where building name =taylor select inst_name,d_name

from INSTRUCTOR WHERE D_NAME=some (select d_name from department where building='Taylor');



5. Show the Course id, title, department name where Department budget is greater than avg(budget).

select c_id,title,d_name
from course
WHERE d_name = some(SELECT d_name
from department
WHERE budget>(SELECT avg(budget) from department));



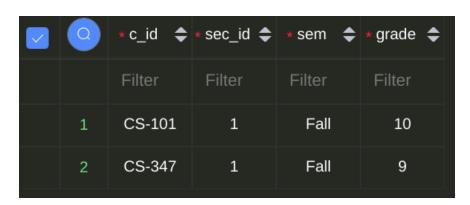
6. Set grade=10 where section Id=1, semester=fall and year=2009 for student named "Williams".

UPDATE takes

SET grade=10 WHERE sec_id=1 AND sem ='Fall' and year=2009 AND s_id = SOME (SELECT s_id from student where s_name='Williams');

7. Show the cid, secID, sem and grade for the student name="zhang" SELECT c id,sec id,sem,grade

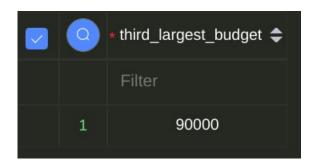
from takes where s_id=some (SELECT s_id from student where s_name='Zhang');



8. Show third largest budget in department relation using subquery.

SELECT max(budget) as third_largest_budget

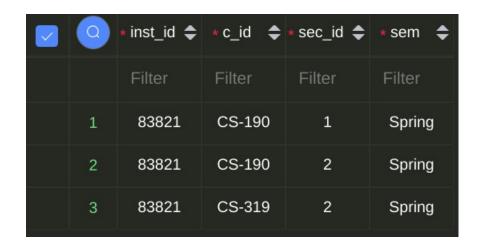
from department where budget<(SELECT max(budget) from department where budget<(SELECT max(budget) from department));



9. Show the inst id, cid, sec id and sem for the inst sal=92000.

SELECT inst_id,c_id,sec_id,sem

from teaches
WHERE INST_ID = some (select INST_ID from INSTRUCTOR
WHERE sal=92000);



10. Show third smallest sal in inst. relation using subquery.

SELECT min(sal) as third_min_salary

from INSTRUCTOR where sal>(SELECT min(sal) from INSTRUCTOR where sal>(SELECT min(sal) from INSTRUCTOR));

