

ASSIGNMENT - 7

DMBS LAB(CSP362)

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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);
```

<input checked="" type="checkbox"/>	<input type="text"/>	* s_name	d_name
		Filter	Filter
	1	Bourikas	Elec. Eng.

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));
```

<input checked="" type="checkbox"/>	<input type="text"/>	* s_nam	d_name
		Filter	Filter
	1	Zhang	Comp. Sci.
	2	Shankar	Comp. Sci.
	3	Brown	Comp. Sci.

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));
```

<input checked="" type="checkbox"/>	<input type="checkbox"/>	* s_name	d_name
		Filter	Filter
	1	Levy	Physics






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');
```

<input checked="" type="checkbox"/>	<input type="checkbox"/>	* inst_name	* d_name
		Filter	Filter
	1	Srinivasan	Comp. Sci.
	2	Katz	Comp. Sci.
	3	Brandt	Comp. Sci.
	4	Kim	Elec. Eng.

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));
```

		* c_id 	title 	d_name 
		Filter	Filter	Filter
	1	BIO-101	Intro. to Biology	Biology
	2	BIO-301	Genetics	Biology
	3	BIO-399	Computational Biology	Biology
	4	CS-101	Intro. to Computer Science	Comp. Sci.
	5	CS-190	Game Design	Comp. Sci.
	6	CS-315	Robotics	Comp. Sci.
	7	CS-319	Image Processing	Comp. Sci.
	8	CS-347	Database System Concepts	Comp. Sci.
	9	FIN-201	Investment Banking	Finance

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');

<input checked="" type="checkbox"/>	<input type="checkbox"/>	* c_id	* sec_id	* sem	* grade
		Filter	Filter	Filter	Filter
	1	CS-101	1	Fall	10
	2	CS-347	1	Fall	9

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));

<input checked="" type="checkbox"/>	<input type="checkbox"/>	* third_largest_budget
		Filter
	1	90000

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);
```

		* inst_id	* c_id	* sec_id	* sem
		Filter	Filter	Filter	Filter
	1	83821	CS-190	1	Spring
	2	83821	CS-190	2	Spring
	3	83821	CS-319	2	Spring

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));
```

		* third_min_salary
		Filter
	1	62000