

Cheat sheet

CIS 430

- [F] 1- Count doesn't count duplicates
- [T] 2- Count doesn't count null values

- [F] 3- Group by ignores null values

- [F] 4- RDBMS table belongs to internal physical level

- [F] 5- View is final you can't change the contents of it

- [F] 6- View is temporary only one session

- [T] 7- View is always updated

- [F] 8- SUM (E.dno) will return 0

- [F] 9- You can use "update" for view

- [T] 10- nested subquery in Q1 is evaluated ONE

A1	b1	A2	b2
1	1	1	2
2	1	null	null
3	2	3	1
3	2	3	3

T1 left outer join T2

A1	b1	A2	b2
1	1	1	2
3	2	3	1
3	2	3	3

T1 Right outer join T2

1111	15000
2222	25000
4444	45000
5555	
All	Q1

JDBC

Prepare connection

```
1- select * from employee where dno=?
conn.prepareStatement
resultset rs
while (rs.next()) { }
```

Department	Dnumber	Mgrssn
Research	5	
Administration	11	
Headquarters	1	

Dept-Location	Location
5	
5	
5	
4	
4	
1	

```
create table Department(
Dname varchar(255) not null,
Dnumber int primary key,
Mgrssn char(9) not null);
```

```
create table Dept-Location(
```

Dnumber int,

Dlocation varchar(255)

Primary key(Dnumber, Dlocation),
foreign key(Dnumber) references
Departments(Dnumber));

Department has more than 2
employees, retrieve the department name
and its employees (SSN and Name) who
are making more than \$20,000

```
Select distinct Didname, E.SSN, E.Name
from employee E, Department D
where E.Salary > 40,000 and
E.dno = D.dnumber and
E.dno in (Select E1.dno
from employee E1, DPP I
where E1.dno = D1.dno
group by E1.dno
having (E1.SSA) > 2)
```

