## Lab Assignment-2



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# 1. Create table emp which has the following attributes (employee table) (empno, ename, job, sal, deptno)

```
create table emp(
empno int PRIMARY KEY,
ename varchar(20),
job char(20),
sal int CHECK (sal>0),
deptno int
);
```

```
create table emp(
    empno int PRIMARY KEY,
    ename varchar(20),
 4 job char(20),
   sal int CHECK (sal>0),
 5
   deptno int
 7
    );
 8
9 desc emp;
insert into emp values(1, 'Raj', 'Salesperson', 2000, 10);
insert into emp values(2, 'Raman', 'Clerk', 3000, 20);
insert into emp values(3,'Abhinav','HR',3500,30);
insert into emp values(4,'Chris','Salesperson',2000,60);
insert into emp values(5,'Cody','Clerk',1500,50);
insert into emp values(6, 'Abhishek', 'Salesperson', 2300, 20);
insert into emp values(7, 'Armaan', 'Manager', 4000, 40);
   insert into emp values(8,'Eric','Clerk',3000,30);
17
    insert into emp values(9, 'Mac', 'Clerk', 1500, 50);
18
19 insert into emp values(10 'Preet' 'Peon' NIII 30).
```

Table created.

#### 2. Insert appropriate records in above tables.

```
insert into emp values(1,'Raj','Salesperson',2000,10); insert into emp values(2,'Raman','Clerk',3000,20); insert into emp values(3,'Abhinav','HR',3500,30); insert into emp values(4,'Chris','Salesperson',2000,60); insert into emp values(5,'Cody','Clerk',1500,50); insert into emp values(6,'Abhishek','Salesperson',2300,20); insert into emp values(7,'Armaan','Manager',4000,40); insert into emp values(8,'Eric','Clerk',3000,30); insert into emp values(9,'Mac','Clerk',1500,50); insert into emp values(10,'Preet','Peon',NULL,30);
```

```
9 desc emp;
    insert into emp values(1,'Raj','Salesperson',2000,10);
10
    insert into emp values(2, 'Raman', 'Clerk', 3000, 20);
11
    insert into emp values(3,'Abhinav','HR',3500,30);
12
    insert into emp values(4, 'Chris', 'Salesperson', 2000, 60);
13
    insert into emp values(5,'Cody','Clerk',1500,50);
14
    insert into emp values(6, 'Abhishek', 'Salesperson', 2300, 20);
15
    insert into emp values(7, 'Armaan', 'Manager', 4000, 40);
16
    insert into emp values(8,'Eric','Clerk',3000,30);
17
    insert into emp values(9,'Mac','Clerk',1500,50);
18
    insert into emp values(10, 'Preet', 'Peon', NULL, 30);
19
20
21
22
   select * from emp;
23
    select empno, ename from emp where deptno=10;
24
25
```

```
1 row(s) inserted.
```

### 3. Get employee no and employee name who works in dept no 10

select empno, ename from emp where deptno=10;

```
22
   select * from emp;
23
24
   select empno, ename from emp where deptno=10;
25
   select ename, sal from emp where job='Clerk' and sal>2000;
26
27
   select ename, sal from emp where job='Clerk' or job ='Salesperson';
28
29
30
   select * from emp where sal between 2000 and 3000;
31
32
   select * from emp where dept in (10,20,30);
33
34
   select * from emp where sal is NULL;
35
```

EMPN0	ENAME
1	Raj
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## 4. Display the employee names of those clerks whose salary > 2000

select ename,sal from emp where job='Clerk' and sal>2000;

```
24
    select empno, ename from emp where deptno=10;
25
    select ename, sal from emp where job='Clerk' and sal>2000;
26
27
28
    select ename,sal from emp where job='Clerk' or job ='Salesperson';
29
30
    select * from emp where sal between 2000 and 3000;
31
   select * from emp where dept in (10,20,30);
32
33
    select * from emp where sal is NULL;
34
35
```

ENAME	SAL
Raman	3000
Eric	3000

Resize Code Editor

#### 5. Display name and sal of Salesperson & Clerks

select ename, sal from emp where job='Clerk' or job ='Salesperson';

```
select ename, sal from emp where job='Clerk' or job ='Salesperson';

select * from emp where sal between 2000 and 3000;

select * from emp where dept in (10,20,30);

select * from emp where dept in (10,20,30);
```

ENAME	SAL
Raj	2000
Raman	3000
Chris	2000
Cody	1500
Abhishek	2300
Eric	3000
Мас	1500

### 6. Display all details of employees whose salary between 2000 and 3000

select \* from emp where sal between 2000 and 3000;

```
select * from emp where sal between 2000 and 3000;

select * from emp where deptno in (10,20,30);

select * from emp where sal is NULL;

select deptno,sal from emp order by deptno asc,sal desc;

select ename from emp where lower(ename) like 'c%';
```

EMPNO	ENAME	<b>Ј</b> 0В	SAL	DEPTNO
1	Raj	Salesperson	2000	10
2	Raman	Clerk	3000	20
4	Chris	Salesperson	2000	60
6	Abhishek	Salesperson	2300	20
8	Eric	Clerk	3000	30

#### Download CSV

5 rows selected.

## 7. Display all details of employees whose dept no is 10, 20, or 30

select \* from emp where deptno in (10,20,30);

```
31
32  select * from emp where deptno in (10,20,30);
33
34  select * from emp where sal is NULL;
35
36  select deptno,sal from emp order by deptno asc,sal desc;
37
38  select ename from emp where lower(ename) like 'c%';
```

EMPNO	ENAME	JOB	SAL	DEPTNO
1	Raj	Salesperson	2000	10
2	Raman	Clerk	3000	20
3	Abhinav	HR	3500	30
6	Abhishek	Salesperson	2300	20
8	Eric	Clerk	3000	30
10	Preet	Peon	-	30

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6 rows selected.

### 8. Display name of those employees whose commission is NULL

select \* from emp where sal is NULL;

```
select * from emp where sal is NULL;

select deptno,sal from emp order by deptno asc,sal desc;

select ename from emp where lower(ename) like 'c%';
```

EMPN0	ENAME	JOB	SAL	DEPTNO
10	Preet	Peon	_	30

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# 9. Display dept no & salary in ascending order of dept no and with in each dept no salary should be in descending order

select deptno, sal from emp order by deptno asc, sal desc;



#### 10. Display name of employees that starts with 'C'

select ename from emp where lower(ename) like 'c%';

```
38 select ename from emp where lower(ename) like 'c%';
39
40 select ename from emp where lower(ename) like '%c';
41
42 select ename from emp where lower(ename) like '%a%a%';

ENAME

Chris

Cody

Download CSV
2 rows selected.
```

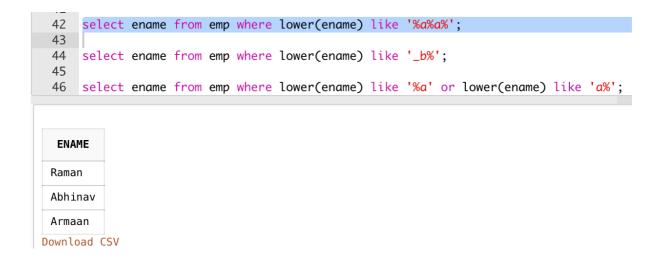
#### 11. Display name of employees that ends with with 'C'

select ename from emp where lower(ename) like '%c';



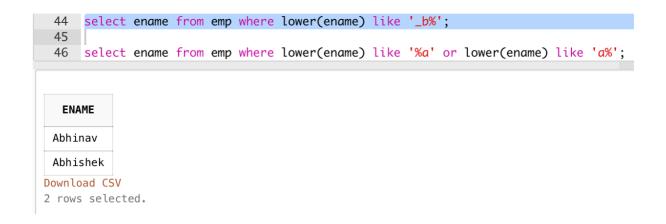
#### 12. Display name of employees having two 'a' or 'A' chars in the name

select ename from emp where lower(ename) like '%a%a%';



### 13. Display the name of the employees whose second char is 'b' or 'B'

select ename from emp where lower(ename) like '\_b%';



#### 14. Display the name of the employees whose first or last char is 'a' or 'A'

select ename from emp where lower(ename) like '%a' or lower(ename) like 'a%';



#### Code -

```
create table emp(
empno int PRIMARY KEY,
ename varchar(20),
job char(20),
sal int CHECK (sal>0),
deptno int
);
desc emp;
insert into emp values(1,'Raj','Salesperson',2000,10);
insert into emp values(2, 'Raman', 'Clerk', 3000, 20);
insert into emp values(3,'Abhinav','HR',3500,30);
insert into emp values(4,'Chris','Salesperson',2000,60);
insert into emp values(5,'Cody','Clerk',1500,50);
insert into emp values(6,'Abhishek','Salesperson',2300,20);
insert into emp values(7,'Armaan','Manager',4000,40);
insert into emp values(8, 'Eric', 'Clerk', 3000, 30);
insert into emp values(9,'Mac','Clerk',1500,50);
insert into emp values(10,'Preet','Peon',NULL,30);
select * from emp;
```

```
select empno,ename from emp where deptno=10;
select ename,sal from emp where job='Clerk' and sal>2000;
select ename,sal from emp where job='Clerk' or job ='Salesperson';
select * from emp where sal between 2000 and 3000;
select * from emp where dept in (10,20,30);
select * from emp where sal is NULL;
select deptno,sal from emp order by deptno asc,sal desc;
select ename from emp where lower(ename) like 'c%';
select ename from emp where lower(ename) like '%c';
select ename from emp where lower(ename) like '%a%a%';
select ename from emp where lower(ename) like 'b%';
```