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DBMS Lab Assignment – 2

Based on Emp table - Columns are EmpNo, Ename, Job, Salary, Commission, DeptNO.

Insert 5 records by storing Null value in some records for commission column.

```
create table Emp (
    EmpNo number,
    Ename varchar(50),
    Job varchar(25),
    Salary number,
    Commission number,
    DeptNO number
);
```

```
Table created.
```

```
insert into Emp values (101, 'Ashmit', 'Director', 250000, NULL, 100);
insert into Emp values (102, 'Anchit', 'Manager', 50000, 12000, 50);
insert into Emp values (103, 'Chandranshu', 'Salesperson', 25000, 5000, 10);
insert into Emp values (104, 'Vivek', 'Salesperson', 3000, NULL, 20);
insert into Emp values (105, 'Aryan', 'Clerk', 2500, 1000, 30);
```

```
1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.
```

```sql
select * from Emp;
```

EMPNO	ENAME	JOB	SALARY	COMMISSION	DEPTNO
101	Ashmit	Director	250000	-	100
102	Anchit	Manager	50000	12000	50
103	Chandranshu	Salesperson	25000	5000	10
104	Vivek	Salesperson	3000	-	20
105	Aryan	Clerk	2500	1000	30

Q1. Get employee no and employee name who works in dept no 10.

```sql
select Empno, Ename from Emp where DeptNO = 10;
```

EMPNO	ENAME
103	Chandranshu

Q2. Display the names of those clerks whose salary > 2000.

```sql
select Ename from Emp where Job = 'Clerk' and Salary > 2000;
```

ENAME
Aryan

Q3. Display Name and Job of Salesperson and Clerks.

```
1  select Ename, Job from Emp where Job = 'Clerk' or Job = 'Salesperson';
```

ENAME	JOB
Chandranshu	Salesperson
Vivek	Salesperson
Aryan	Clerk

Q4. Display all details of employees whose salary is between 2000 and 3000.

```
1  select * from Emp where Salary between 2000 and 3000;
```

EMPNO	ENAME	JOB	SALARY	COMMISSION	DEPTNO
104	Vivek	Salesperson	3000	-	20
105	Aryan	Clerk	2500	1000	30

Q5. Display all details of employees whose dept no is 10, 20, or 30.

```
1  select * from Emp where DeptNO in (10,20,30);
```

EMPNO	ENAME	JOB	SALARY	COMMISSION	DEPTNO
103	Chandranshu	Salesperson	25000	5000	10
104	Vivek	Salesperson	3000	-	20
105	Aryan	Clerk	2500	1000	30

Q6. Display name of those employees whose commission is NULL.

```
1  select Ename from Emp where Commission is NULL;
```

ENAME
Ashmit
Vivek

Q7. Display dept no & salary in ascending order of dept no and within each dept no salary should be in descending order.

```
1  select DeptNO, Salary from Emp order by DeptNO asc, Salary desc;
```

DEPTNO	SALARY
10	25000
20	3000
30	2500
50	50000
100	250000

Q8. Display name of employees having two ‘a’ or ‘A’ chars in the name.

```
1  select Ename from Emp where Ename like '%a%a%' or Ename like '%A%A%';
```

ENAME
Chandranshu

Q9. Display the name of the employees whose second char is ‘b’ or ‘B’.

```
1  select Ename from Emp where Ename like '_b%' or Ename like '_B%';
```

no data found

Q10. Display the name of the employees whose first or last char is ‘a’ or ‘A’.

```
1  select Ename from Emp where Ename like '%A' or Ename like 'A%' or Ename like 'a%' or Ename like '%a';
```

ENAME
Ashmit
Anchit
Aryan

Q11. Display maximum, minimum, average salary of dept no 10 employees.

```
1  select max(Salary), min(Salary), avg(Salary) from Emp where DeptNO = 10;
```

MAX(SALARY)	MIN(SALARY)	AVG(SALARY)
25000	25000	25000

Q12. Display total number of employees working in dept no 20.

```
1  select count(Ename) from Emp where DeptNO = 20;
```

COUNT(ENAME)
1

Q13. Display total salary paid to clerks.

```
select sum(Salary) from Emp where Job = 'Clerk';
```

SUM(SALARY)
2500

Q14. Display system date.

```
select sysdate from Emp;
```

SYSDATE
27-JAN-24
27-JAN-24
27-JAN-24
27-JAN-24
27-JAN-24

Q15. Display the result of (12*12)/13.

```
select (12*12)/13 from Emp;
```

(12*12)/13
11.076923076923076923076923076923076923 08
11.076923076923076923076923076923076923 08
11.076923076923076923076923076923076923 08
11.076923076923076923076923076923076923 08
11.076923076923076923076923076923076923 08

Q16. Display info of ‘raj’ irrespective to the case in which the data is stored.

```
1  insert into Emp values (106, 'Raj', 'Clerk', 2000, 500, 20);
2
3  select * from Emp where lower(Ename) = 'raj';
```

1 row(s) inserted.

EMPNO	ENAME	JOB	SALARY	COMMISSION	DEPTNO
106	Raj	Clerk	2000	500	20