

## PRACTICAL – 7

**Q.1** Display unique department number in table emp.

```
SQL> show user
USER is "C##ASHISH"
SQL> select distinct deptno from emp;
```

```
      DEPTNO
-----
         10
         30
         20
```

```
SQL> |
```

**2.** To display employee number, name, salary, salary increased by 15% from emp table, label the column as new salary.

```
SQL> select empno, empname, salary, salary+salary*15/ 100 as "new salary" from emp;
```

EMPNO	EMPNAME	SALARY	new salary
7839	king	5000	5750
7698	blake	2850	3277.5
7782	clark	2450	2817.5
7566	jones	2975	3421.25
7654	martin	1250	1437.5
7499	allen	1500	1725
7844	turner	1500	1725
7900	james	950	1092.5
7902	ford	3000	3450
7369	smith	800	920
7788	scott	3000	3450
7876	adams	1100	1265
7934	milller	1300	1495

```
13 rows selected.
```

**Q.3** To display the empname and salary of the employees whose salary is greater than or equal to 3000.

```
SQL> select empname, salary from emp where salary >= 3000;
```

EMPNAME	SALARY
king	5000
ford	3000
scott	3000

```
SQL> |
```

**Q.4** List the detail of employees who earn more commission than their salaries.

```
SQL> select * from emp where salary < comm;
```

EMPNO	EMPNAME	JOB	MGR	HIREDATE	SALARY	COMM	DEPTNO
7654	martin	salesman	7698	28-SEP-81	1250	1400	30

```
SQL> |
```

**Q5.** List the details of those employees who have four lettered names.

```
SQL> select * from emp where ename like '____';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SALARY	COMM	DEPTNO
7839	King	President		17-NOV-81	5000		10
7521	Ward	Salesman	7698	22-FEB-81	1250	500	30
7902	Ford	Analyst	7566	03-DEC-81	3000		

**Q6.** To display the name of employees whose name contains 'T' as last alphabet.

```
SQL> select ename from emp where ename like '%t';
```

```
ENAME
```

```
-----  
Scott
```

**Q7.** To display the name of employees who is having 'L' as any alphabet of the name.

```
SQL> select ename from emp where ename like '%l%';
```

```
ENAME
```

```
-----
```

```
Blake
```

```
Clark
```

```
Allen
```

```
Miller
```

**Q8.** List the details of employees who do not have a job manager.

```
SQL> select * from emp where not(job='manager');
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SALARY	COMM	DEPTNO
7839	King	President		17-NOV-81	5000		10
7698	Blake	Manager	7839	01-MAY-81	2850		30
7782	Clark	Manager	7839	09-JUN-81	2450		10
7566	Jones	Manager	7839	02-APR-81	2975		20
7654	Martin	Salesman	7698	28-SEP-81	1250	1400	30
7499	Allen	Salesman	7698	20-FEB-81	1600	300	30
7844	Turner	Salesman	7698	08-SEP-81	1500	0	30
7900	James	Clerk	7698	03-DEC-81	950		30
7521	Ward	Salesman	7698	22-FEB-81	1250	500	30
7902	Ford	Analyst	7566	03-DEC-81	3000		
7369	Smith	Clerk	7902	17-DEC-80	800		
7788	Scott	Analyst	7566	09-DEC-82	3000		20
7876	Adams	Clerk	7788	12-JAN-83	1100		20
7934	Miller	Clerk	7782	23-JAN-82	1300		

```
14 rows selected.
```

**Q9.** Write the name of all the employees whose name contains 'M' as first alphabet and 'L' as third alphabet.

```
SQL> select ename from emp where ename like 'M_l%';
```

```
ENAME
```

```
-----  
Miller
```

**Q10.** Select the details of all the managers whose salary is less than 3000.

```
SQL> select * from emp where job = 'Manager' and salary<3000;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SALARY	COMM	DEPTNO
7698	Blake	Manager	7839	01-MAY-81	2850		30
7782	Clark	Manager	7839	09-JUN-81	2450		10
7566	Jones	Manager	7839	02-APR-81	2975		20

**Q11.** List the name of employees whose salary lies between 1000 to 2000.

```
SQL> select ename from emp where salary between 1000 and 2000;
```

```
ENAME
```

```
-----  
Martin  
Allen  
Turner  
Ward  
Adams  
Miller
```

```
6 rows selected.
```

**Q12.** Display the employee number, name, job of the employees which do not belong to any department.

```
SQL> select empno,ename,job from emp where deptno is null;
```

EMPNO	ENAME	JOB
7902	Ford	Analyst
7369	Smith	Clerk
7934	Miller	Clerk