Practical-8

Q1-List the detail of emp who have four letters name.

Answer-

```
SQL> show user
USER is "C##HIMANSHU"
SQL> select * from emp where e_name like '____';

    EMP_NO E_NAME     JOB                      MGR HIRE_DATE     SALARY       COMM       DEPT
---------- ---------- -------------------- ---------- --------- ----------- ----------- ----------
      7839 King       president                      17-NOV-81    5000                        10
      7521 Ward       Salesman             7696 22-FEB-81         1250         500            30
      7902 Ford       Analyst              7566 30-DEC-81         3000
```

Q2-Display the name of the emp whose name has 'T' as the last alphabet.

Answer-

```
SQL> show user
USER is "C##HIMANSHU"
SQL> select e_name from emp where e_name like '%t';

E_NAME
----------
Scott
```

Q3- List the detail of emp who do not have any manager.

Answer-

```
SQL> show user
USER is "C##HIMANSHU"
SQL> select * from emp where mgr is null;

    EMP_NO E_NAME     JOB                      MGR HIRE_DATE     SALARY       COMM       DEPT
---------- ---------- -------------------- ---------- --------- ----------- ----------- ----------
      7839 King       president                      17-NOV-81    5000                        10
```

Q4-Display the name of the emp whose name 'M' as first alphabet and 'l' as the third alphabet.

Answer-

```
SQL> show user;
USER is "C##HIMANSHU"
SQL> select e_name from emp where e_name like 'M_l%';

E_NAME
----------
Miller
```

Q5-List the detail of all emp whose salary lies between 1000 and 2000.

Answer-

```
SQL> show user;
USER is "C##HIMANSHU"
SQL> select * from emp where salary between 1000 and 2000;

    EMP_NO E_NAME     JOB                     MGR HIRE_DATE     SALARY       COMM       DEPT
---------- ---------- -------------------- ---------- --------- ---------- ---------- ----------
      7654 Martin     Salesman                7696 28-SEP-81       1250       1400         30
      7499 Allen      Salesman                7696 20-FEB-81       1600        300         30
      7844 Turner     Salesman                7696 08-SEP-81       1500          0         30
      7521 Ward       Salesman                7696 22-FEB-81       1250        500         30
      7876 Adams      Clark                   7788 12-JAN-83       1100                     20
      7934 Miller     Clark                   7782 23-JAN-83       1300

6 rows selected.
```

Q6-List the detail of emp who are Salesman or Analyst or a Manager.

Answer-

```
SQL> show user;
USER is "C##HIMANSHU"
SQL> select * from emp where job in ('Salesman','Analyst','Manager');

    EMP_NO E_NAME     JOB                     MGR HIRE_DATE     SALARY       COMM       DEPT
---------- ---------- -------------------- ---------- --------- ---------- ---------- ----------
      7698 Black      Manager                 7839 01-MAY-81       2850                     30
      7782 Clerk      Manager                 7839 09-JUN-81       2450                     10
      7566 Jones      Manager                 7839 02-APR-81       2975                     20
      7654 Martin     Salesman                7696 28-SEP-81       1250       1400         30
      7499 Allen      Salesman                7696 20-FEB-81       1600        300         30
      7844 Turner     Salesman                7696 08-SEP-81       1500          0         30
      7521 Ward       Salesman                7696 22-FEB-81       1250        500         30
      7902 Ford       Analyst                 7566 30-DEC-81       3000
      7788 Scott      Analyst                 7566 09-DEC-81       3000                     20

9 rows selected.
```

Q7-Display the detail of emp having emp no. 7900 in the format (ename) is a (job).

Answer-

```
SQL> show user;
USER is "C##HIMANSHU"
SQL> select e_name ||' '||'is a'||' '|| job from emp where emp_no=7900;

E_NAME||''||'ISA'||''||JOB
-----------------------------------
James is a Clark
```

Q8-Create query to display following format (ename) ' ' earns and (salary) Monthly and working as (job).

```
SQL> show user
USER is "C##HIMANSHU"
SQL> SELECT
  2  e_name | | 'earn $' | | salary | | 'monthly and working as' | | lower(job) as employee_summary from emp;


 EMPLOYEE_SUMMARY

 -------------------------------------------------------------------------

 King earns $5000 monthly and works as president
 Black earns $2850 monthly and works as manager
 Clerk earns $2450 monthly and works as manager
 Jones earns $2975 monthly and works as manager
 Martine earns $1250 monthly and works as salesman
 Allen earns $1600 monthly and works as salesman
 Turner earns $1500 monthly and works as salesman
 James earns $950 monthly and works as clark
 Ward earns $1250 monthly and works as salesman
 Ford earns $3000 monthly and works as analyst
 Smith earns $800 monthly and works as clark
 Scott earns $3000 monthly and works as analyst
 Adams earns $1100 monthly and works as clark
 Miller earns $1300 monthly and works as clark

 14 rows selected.
```

Q9- Concat e_name and emp_no. having emp_no. 7900 and 7788.

```
SQL> show user;
USER is "C##HIMANSHU"
SQL> select e_name ||' '|| emp_no from emp where emp_no in (7900,7788);

E_NAME||''||EMP_NO
---------------------------------------------------
Scott 7788
James 7900
```

Q10-Create s view table_name V1 and load the data of all the employee whose job is Manager and Salesman. Display the data of view table.

Answer-

```
Enter user-name: system
Enter password:
Last Successful login time: Wed Nov 27 2024 19:42:05 +05:30

Connected to:
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0

SQL> grant create view to c##himanshu;

Grant succeeded.
```

```
SQL> conn
Enter user-name: c##himanshu
Enter password:
Connected.
SQL> create view V1 as select * from emp where job in ('Manager','Salesman');

View created.
```

```
SQL> show user
USER is "C##HIMANSHU"
SQL> select * from V1;

    EMP_NO E_NAME     JOB                   MGR HIRE_DATE     SALARY       COMM       DEPT
---------- ---------- -------------- ---------- --------- ---------- ---------- ----------
      7698 Black      Manager              7839 01-MAY-81       2850                    30
      7782 Clerk      Manager              7839 09-JUN-81       2450                    10
      7566 Jones      Manager              7839 02-APR-81       2975                    20
      7654 Martin     Salesman             7696 28-SEP-81       1250       1400         30
      7499 Allen      Salesman             7696 20-FEB-81       1600        300         30
      7844 Turner     Salesman             7696 08-SEP-81       1500          0         30
      7521 Ward       Salesman             7696 22-FEB-81       1250        500         30

7 rows selected.
```

Practical-9

Q1-Display the details of employee who recently join company.

Answer-

```
SQL> show user
USER is "C##HIMANSHU"
SQL> select * from emp where hire_date = (select max(hire_date) from emp);

   EMP_NO E_NAME     JOB                      MGR HIRE_DATE    SALARY       COMM       DEPT
---------- ---------- -------------------- ---------- --------- ---------- ---------- ----------
     7934 Miller     Clark                   7782 23-JAN-83      1300
```

Q2-Display the employee detail who is most senior employee.

Answer-

```
SQL> show user
USER is "C##HIMANSHU"
SQL> select * from emp where hire_date = (select min(hire_date) from emp);

   EMP_NO E_NAME     JOB                      MGR HIRE_DATE    SALARY       COMM       DEPT
---------- ---------- -------------------- ---------- --------- ---------- ---------- ----------
     7499 Allen      Salesman                7696 20-FEB-81      1600        300         30
```

Q3-Display the detail of employee arrange the emp_no in descending order.

Answer-

```
SQL> select * from emp order by emp_no desc;

   EMP_NO E_NAME     JOB                      MGR HIRE_DATE    SALARY       COMM       DEPT
---------- ---------- -------------------- ---------- --------- ---------- ---------- ----------
     7934 Miller     Clark                   7782 23-JAN-83      1300
     7902 Ford       Analyst                 7566 30-DEC-81      3000
     7900 James      Clark                   7696 03-DEC-81       950                    30
     7876 Adams      Clark                   7788 12-JAN-83      1100                    20
     7844 Turner     Salesman                7696 08-SEP-81      1500          0         30
     7839 King       president                    17-NOV-81      5000                    10
     7788 Scott      Analyst                 7566 09-DEC-81      3000                    20
     7782 Clerk      Manager                 7839 09-JUN-81      2450                    10
     7698 Black      Manager                 7839 01-MAY-81      2850                    30
     7654 Martin     Salesman                7696 28-SEP-81      1250       1400         30
     7566 Jones      Manager                 7839 02-APR-81      2975                    20
     7521 Ward       Salesman                7696 22-FEB-81      1250        500         30
     7499 Allen      Salesman                7696 20-FEB-81      1600        300         30
     7369 Smith      Clark                   7902 17-DEC-81       800

14 rows selected.
```

Q4-Display the number of employee with same job.

Answer-

```
SQL> show user
USER is "C##HIMANSHU"
SQL> select job,count(job) from emp group by job;

JOB                   COUNT(JOB)
-------------------- ----------
president                     1
Manager                       3
Salesman                      4
Clark                         4
Analyst                       2
```

Q5-Display the details of job of the employee where in same job more than 2
employees are working.

Answer-

```
SQL> show user
USER is "C##HIMANSHU"
SQL> select job,count(job) from emp group by job having count(job)>2;

JOB                   COUNT(JOB)
-------------------- ----------
Manager                       3
Salesman                      4
Clark                         4
```

Q6-Display the details of ename,emp_no,job of the where in same department

More than 2 employee are working.

Answer-

```
SQL> show user
USER is "C##HIMANSHU"
SQL> select e_name,emp_no,job from emp where dept in (select dept from emp group by dept having count(dept)>2);

E_NAME       EMP_NO JOB
---------- ---------- --------------------
Black          7698 Manager
Martin         7654 Salesman
Allen          7499 Salesman
Turner         7844 Salesman
James          7900 Clark
Ward           7521 Salesman
Jones          7566 Manager
Scott          7788 Analyst
Adams          7876 Clark

9 rows selected.
```

Q7-Display the details of department in which more than 2 employee are working.

Answer-

```
SQL> show user
USER is "C##HIMANSHU"
SQL> SELECT * FROM DEPT WHERE DEPTNO IN (SELECT DEPT FROM EMP GROUP BY DEPT HAVING COUNT(DEPT)>=2);

    DEPTNO DNAME       LOCATION
---------- ---------- ----------
        10 ACCOUNTING NEW YORK
        30 SALES       CHICAGO
        20 RESEARCH    DALLAS
```

Q8-Display the details of employee who have salary equal to any employee of dept n0=30;

Answer-

```
SQL> show user
USER is "C##HIMANSHU"
SQL> select * from emp where salary in (select salary from emp where dept = 30);

    EMP_NO E_NAME    JOB                  MGR HIRE_DATE    SALARY       COMM       DEPT
---------- --------- -------------------- --- ---------- ---------- ---------- ----------
      7698 Black     Manager             7839 01-MAY-81       2850                     30
      7654 Martin    Salesman            7696 28-SEP-81       1250       1400          30
      7521 Ward      Salesman            7696 22-FEB-81       1250        500          30
      7499 Allen     Salesman            7696 20-FEB-81       1600        300          30
      7844 Turner    Salesman            7696 08-SEP-81       1500          0          30
      7900 James     Clark               7696 03-DEC-81        950                     30

6 rows selected.
```

Q9-Display the details employee whose location is New York.

Answer-

```
SQL> show user
USER is "C##HIMANSHU"
SQL> SELECT * FROM EMP WHERE DEPT IN(SELECT DEPTNO FROM DEPT WHERE LOCATION = 'NEW YORK');

     EMPNO ENAME     JOB                  MGR HIREDATE     SALARY       COMM       DEPT
---------- --------- -------------------- --- ---------- ---------- ---------- ----------
      7839 KING      PRESIDENT                17-NOV-81       5000                     10
      7782 CLARK     MANAGER             7839 09-JUN-81       2450                     10
```

Q10-Display the details of employee who work in same department as Scott.

```
SQL> show user
USER is "C##HIMANSHU"
SQL> SELECT * FROM EMP WHERE DEPT = (SELECT DEPT FROM EMP WHERE ENAME = 'SCOTT');

     EMPNO ENAME     JOB                  MGR HIREDATE     SALARY       COMM       DEPT
---------- --------- -------------------- --- ---------- ---------- ---------- ----------
      7566 JONES     MANAGER             7839 02-APR-81       2975                     20
      7788 SCOTT     ANALYST             7566 09-DEC-82       3000                     20
      7876 ADAMS     CLERK               7788 12-JAN-83       1100                     20
```

Q11-Display the details of employee who work in same job as Martin.

Answer-

```
SQL> show user
USER is "C##HIMANSHU"
SQL> select * from emp where job = (select job from emp where e_name = 'Martin');

    EMP_NO E_NAME     JOB                      MGR HIRE_DATE      SALARY        COMM       DEPT
---------- ---------- -------------------- ---------- --------- ---------- ----------- ----------
      7654 Martin     Salesman                7696 28-SEP-81       1250        1400         30
      7499 Allen      Salesman                7696 20-FEB-81       1600         300         30
      7844 Turner     Salesman                7696 08-SEP-81       1500           0         30
      7521 Ward       Salesman                7696 22-FEB-81       1250         500         30
```

Q12-Display the details of department who have at least 1 employee.

Answer-

```
SQL> show user
USER is "C##HIMANSHU"
SQL> SELECT * FROM DEPT WHERE DEPTNO IN(SELECT DEPT FROM EMP WHERE DEPT.DEPTNO=EMP.DEPT);

    DEPTNO DNAME      LOCATION
---------- ---------- ----------
        10 ACCOUNTING NEW YORK
        20 RESEARCH   DALLAS
        30 SALES      CHICAGO
```

Q13-Display the details of department who do not have any employee.

Answer-

```
SQL> show user
USER is "C##HIMANSHU"
SQL> SELECT * FROM DEPT WHERE DEPTNO NOT IN (SELECT DEPT FROM EMP WHERE DEPT.DEPTNO = EMP.DEPT);

    DEPTNO DNAME      LOCATION
---------- ---------- ----------
        40 OPERATIONS BOSTON
```