PRACTICAL 9: STUDY OF SUBQUERIES WITH ALL ITS CLAUSES

1. Display the employee name whose salary is greater than the salary of employee 7566.

```
SQL> select * from EMP where SAL > (select SAL from EMP where EMPNO= 7566);

    EMPNO ENAME      JOB              MGR HIREDATE       SAL      COMM    DEPTNO
---------- ---------- --------- ---------- --------- ---------- --------- ----------
     7839 KING       PRESIDENT            17-NOV-81   5000                     10
     7788 SCOTT      ANALYST         7566 19-APR-87   3000                     20
     7902 FORD       ANALYST         7566 03-DEC-81   3000                     20

SQL>
```

2. Display the employee name, sal, job of the employee whose job is similar to the employee 7369.

```
SQL> select ename,sal,job from emp2 where job = (select job from emp2 where empno = 7369);

ENAME           SAL JOB
---------- ---------- ---------
SMITH           800 CLERK
ADAMS          1100 CLERK
JAMES           950 CLERK
MILLER         1300 CLERK

SQL>
```

3. Display the employee name with the salary less than any salary of job type CLERK.

```
SQL> select ename, sal from emp2 where sal < any(select sal from emp2 where job = 'CLERK');

ENAME              SAL
---------- ----------
SMITH              800
JAMES              950
ADAMS             1100
MARTIN            1250
WARD              1250

SQL>
```

4. Display the employee name, salary, department id, job id for those employees who works in the same designation as the employee works whose id is 7900.

```
SQL> select ename, sal, empno, job from emp2 where job = (select job from emp2 where empno =7900);

ENAME              SAL     EMPNO JOB
---------- ---------- ---------- ---------
SMITH              800       7369 CLERK
ADAMS             1100       7876 CLERK
JAMES              950       7900 CLERK
MILLER            1300       7934 CLERK

SQL>
```
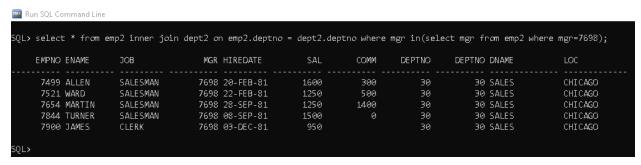
5. Display the detail of department whose manager Encode='7698'.

```
SQL> select * from emp2 inner join dept2 on emp2.deptno = dept2.deptno where mgr in(select mgr from emp2 where mgr=7698);

    EMPNO ENAME      JOB         MGR HIREDATE      SAL      COMM    DEPTNO    DEPTNO DNAME          LOC
--------- ---------- --------- ---------- --------- ---------- ---------- ---------- ---------- -------------- --------------
     7499 ALLEN      SALESMAN   7698 20-FEB-81     1600       300        30        30 SALES          CHICAGO
     7521 WARD       SALESMAN   7698 22-FEB-81     1250       500        30        30 SALES          CHICAGO
     7654 MARTIN     SALESMAN   7698 28-SEP-81     1250      1400        30        30 SALES          CHICAGO
     7844 TURNER     SALESMAN   7698 08-SEP-81     1500         0        30        30 SALES          CHICAGO
     7900 JAMES      CLERK      7698 03-DEC-81      950                  30        30 SALES          CHICAGO

SQL>
```

6. Display the employees whose salary is greater than any MANAGER.

```
SQL> select * from emp2 where sal > any(select sal from emp2 where job ='MANAGER');

    EMPNO ENAME      JOB          MGR HIREDATE       SAL       COMM     DEPTNO
--------- ---------- --------- ---------- --------- ---------- ---------- ----------
     7839 KING       PRESIDENT        17-NOV-81      5000                    10
     7788 SCOTT      ANALYST     7566 19-APR-87      3000                    20
     7902 FORD       ANALYST     7566 03-DEC-81      3000                    20
     7566 JONES      MANAGER     7839 02-APR-81      2975                    20
     7698 BLAKE      MANAGER     7839 01-MAY-31      2850                    30

SQL>
```