Practical 2: Study of Data Manipulation Language Statement

A) Insert the following records in above created table

EMP TABLE

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	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
7788	SCOTT	ANALYST	7566	19-Apr-87	3000		20
7902	FORD	ANALYST	7566	03-Dec-81	3000		20
7369	SMITH	CLERK	7902	17-Dec-80	800		20
7499	ALLEN	SALESMAN	7698	20-Feb-81	1600	300	30
7521	WARD	SALESMAN	7698	22-Feb-81	1250	500	30
7654	MARTIN	SALESMAN	7698	28-Sep-81	1250	1400	30
7844	TURNER	SALESMAN	7698	08-Sep-81	1500	0	30
7876	ADAMS	CLERK	7788	23-May-87	1100		20
7900	JAMES	CLERK	7698	03-Dec-81	950		30
7934	MILLER	CLERK	7782	23-Jan-82	1300		10

DEPT TABLE

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

```
SQL> insert into ashutosh_DEPT values(10,'ACCOUNTING','NEW YORK');

1 row created.

SQL> insert into ashutosh_DEPT values(20,'RESEARCH','DALLAS');

1 row created.

SQL> insert into ashutosh_DEPT values(30,'SALES','CHICAGO');

1 row created.

SQL> insert into ashutosh_DEPT values(40,'OPERATIONS','BOSTON');

1 row created.

SQL> select * from ashutosh_DEPT;

   DEPT_NO DNAME          LOC
---------- -------------- --------------
        10 ACCOUNTING     NEW YORK
        20 RESEARCH       DALLAS
        30 SALES          CHICAGO
        40 OPERATIONS     BOSTON
        10 ACCOUNTING     NEW YORK
        20 RESEARCH       DALLAS
        30 SALES          CHICAGO
        40 OPERATIONS     BOSTON
```

```
   EMP_NO ENAME        JOB             MGR HIREDATE         SAL       COMM
---------- ---------- ---------- ---------- --------- ---------- ----------
   DEPT_NO
----------
     7369 SMITH       CLERK          7902 17-DEC-80        800
       20

     7499 ALLEN       SALESMAN       7698 20-FEB-81       1600        300
       30

     7521 WARD        SALESMAN       7698 22-FEB-81       1250        500
       30


   EMP_NO ENAME        JOB             MGR HIREDATE         SAL       COMM
---------- ---------- ---------- ---------- --------- ---------- ----------
   DEPT_NO
----------
     7654 MARTIN      SALESMAN       7698 28-SEP-81       1250       1400
       30

     7844 TURNER      SALESMAN       7698 08-SEP-81       1500          0
       30

     7876 ADAMS       CLERK          7788 23-MAY-87       1100
       20


   EMP_NO ENAME        JOB             MGR HIREDATE         SAL       COMM
---------- ---------- ---------- ---------- --------- ---------- ----------
   DEPT_NO
----------
     7900 JAMES       CLERK          7698 03-DEC-81        950
       30

     7934 MILLER      CLERK          7782 23-JAN-82       1300
       10
```

B) UPDATE AND DELETE QUERIES

      1) UPDATE THE SALARY OF EMPLOYEES WORKING AS CLERK BY 500.

```
SQL> update ashutosh_EMP
  2  set SAL=SAL+500
  3  where Job='CLERK';

4 rows updated.
```

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
DEPT_NO						
7369	SMITH	CLERK	7902	17-DEC-80	1300	
20						
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300
30						
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500
30						

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
DEPT_NO						
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400
30						
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0
30						
7876	ADAMS	CLERK	7788	23-MAY-87	1600	
20						

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
DEPT_NO						
7900	JAMES	CLERK	7698	03-DEC-81	1450	
30						
7934	MILLER	CLERK	7782	23-JAN-82	1800	
10						

2) UPDATE THE MANAGER OF JAMES AS CLARK.

```
SQL> update ashutosh_EMP
  2   set Job='CLARK'
  3   where Ename='JAMES';

1 row updated.
```

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
DEPT_NO						
7900	JAMES	CLARK	7698	03-DEC-81	1450	
30						

3) CHANGE THE ROLE OF MILLER AS MANAGER.

```
SQL> update ashutosh_EMP
  2   set Job='MANAGER'
  3   where Ename='MILLER';

1 row updated.
```

7934	MILLER	MANAGER	7782	23-JAN-82	1800	
10						

4) DELETE THE RECORDS OF MANAGER

```
SQL> delete from ashutosh_EMP
  2   where Job='MANAGER';

4 rows deleted.
```

```
    EMP_NO ENAME      JOB            MGR HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
   DEPT_NO
----------
      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


    EMP_NO ENAME      JOB            MGR HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
   DEPT_NO
----------
      7369 SMITH      CLERK          7902 17-DEC-80        1300
        20

      7499 ALLEN      SALESMAN       7698 20-FEB-81        1600        300
        30

      7521 WARD       SALESMAN       7698 22-FEB-81        1250        500
        30


    EMP_NO ENAME      JOB            MGR HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
   DEPT_NO
----------
      7654 MARTIN     SALESMAN       7698 28-SEP-81        1250       1400
        30

      7844 TURNER     SALESMAN       7698 08-SEP-81        1500          0
        30

      7876 ADAMS      CLERK          7788 23-MAY-87        1600
        20


    EMP_NO ENAME      JOB            MGR HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
   DEPT_NO
----------
      7900 JAMES      CLARK          7698 03-DEC-81        1450
```

5) DELETE THE RECORDS WHEN SALARY IS GREATER THAN 1000.

```
SQL> delete from ashutosh_EMP
  2  where SAL>1000;

10 rows deleted.
```

```
SQL> select * from ashutosh_EMP;

no rows selected
```