

Practical no:2

Study of Data Manipulation Language Statement

A) Insert the following records in above created table

EMP_Aniket44 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

EMP_Aniket44 Table Record List:

```
SQL> set linesize 10000
SQL> set pagesize 10000
SQL> select * from EMP_Harsh13;
```

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

14 rows selected.

SQL> _

DEPT_Aniket44 TABLE

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

DEPT_Aniket44 Table Record List:

```
SQL> select * from DEPT_Harsh13;

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

SQL> _
```

B) Update and Delete Queries

- 1) Update the salary of employees working as CLERK by 500.

```
SQL> update EMP_Harsh13
2  set SAL=SAL+500
3  where JOB='CLERK';

4 rows updated.

SQL> select * from EMP_Harsh13;

  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      1300          20
    7499 ALLEN        SALESMAN           7698 20-FEB-81      1600          30
    7521 WARD        SALESMAN           7698 22-FEB-81      1250          30
    7654 MARTIN        SALESMAN           7698 28-SEP-81      1250      1400      30
    7844 TURNER        SALESMAN           7698 08-SEP-81      1500          30
    7876 ADAMS        CLERK             7788 23-MAY-87      1600          20
    7900 JAMES        CLERK             7698 03-DEC-81      1450          30
    7934 MILLER        CLERK             7782 23-JAN-82      1800          10

14 rows selected.

SQL> _
```

2) Update the manager of James as CLARK.

```
SQL> update EMP_Harsh13
  2  set MGR=7782
  3  where ENAME='JAMES';

1 row updated.

SQL> select * from EMP_Harsh13;
```

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	1300		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	1600		20
7900	JAMES	CLERK	7782	03-DEC-81	1450		30
7934	MILLER	CLERK	7782	23-JAN-82	1800		10

```
14 rows selected.

SQL> _
```

3) Change the role of Miller as MANAGER.

```
SQL> update EMP_Harsh13
  2  set JOB='MANAGER'
  3  where ENAME='MILLER';

1 row updated.

SQL> select * from EMP_Harsh13;
```

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	1300		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	1600		20
7900	JAMES	CLERK	7782	03-DEC-81	1450		30
7934	MILLER	MANAGER	7782	23-JAN-82	1800		10

```
14 rows selected.

SQL>
```

4) Delete the records of Manager.

```
SQL> delete from EMP_Harsh13
2  where JOB='MANAGER';

4 rows deleted.

SQL> select * from EMP_Harsh13;
```

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
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
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
7900	JAMES	CLERK	7782	03-DEC-81	1450		30

```
10 rows selected.

SQL> _
```

5) Delete the salary when records is greater than 1000.

```
SQL> delete from EMP_Harsh13
2  where SAL>1000;

10 rows deleted.

SQL> select * from EMP_Harsh13;

no rows selected

SQL>
```