# 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:

| PRES I DENT<br>MANAGER<br>MANAGER |   | 17-NOV-81<br>01-MAY-81  | 5000<br>2850  |  | 10  |
|-----------------------------------|---|---|---|--|---|
| MANAGER                           |   |   | 2850  |  |   |
|                                   | 7929  |   |   |  | 30  |
|                                   |   | 09-JUN-81   | 2450  |  | 10  |
| MANAGER                           |   | 02-APR-81   | 2975  |  | 20  |
|                                   |   |   |   |  | 20  |
|                                   |   |   |   |  | 20  |
|                                   |   |   |   | 200  | 20  |
|                                   |   |   |   |  | 30<br>30  |
|                                   |   |   |   |  | 30  |
|                                   |   |   |   |  | 30  |
|                                   |   |   |   |  | 20  |
|                                   |   |   |   |  | 30  |
| CLERK                             |   | 23-JAN-82   | 1300  |  | 10  |
|                                   | ANALYST<br>ANALYST<br>CLERK<br>SALESMAN<br>SALESMAN<br>SALESMAN<br>SALESMAN<br>CLERK<br>CLERK | AMALYST 7566 CLERK 7902 SALESMAN 7698 SALESMAN 7698 SALESMAN 7698 SALESMAN 7698 CLERK 7788 CLERK 7789 | ANALYST 7566 03-DEC-81 CLERK 7902 17-DEC-80 SALESMAN 7698 20-FEB-81 SALESMAN 7698 22-FEB-81 SALESMAN 7698 28-SEP-81 SALESMAN 7698 08-SEP-81 CLERK 7788 23-MAY-87 CLERK 7698 03-DEC-81 | ANALYST 7566 03-DEC-81 3000<br>CLERK 7902 17-DEC-80 800<br>SALESMAN 7698 20-FEB-81 1600<br>SALESMAN 7698 22-FEB-81 1250<br>SALESMAN 7698 28-SEP-81 1250<br>SALESMAN 7698 28-SEP-81 1500<br>CLERK 7788 23-MAY-87 1100<br>CLERK 7698 03-DEC-81 950 | ANALYST 7566 03-DEC-81 3000<br>CLERK 7902 17-DEC-80 800<br>SALESMAN 7698 20-FEB-81 1600 300<br>SALESMAN 7698 22-FEB-81 1250 500<br>SALESMAN 7698 28-SEP-81 1250 1400<br>SALESMAN 7698 08-SEP-81 1500 0<br>CLERK 7788 23-MAY-87 1100<br>CLERK 7698 03-DEC-81 950 |

#### **DEPT Aniket44 TABLE**

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

#### **DEPT Aniket44 Table Record List:**

#### **B) Update and Delete Queries**

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

```
update EMP_Harsh13
set SAL=SAL+500
where JOB='CLERK';
4 rows updated.
SQL> select * from EMP_Harsh13;
                                                                                                                                                                                                                                                                         DEPTNO
                EMPNO ENAME
                                                                         JOB
                                                                                                                                  MGR HIREDATE
                                                                                                                                                                                                         SAL
                                                                                                                                                                                                                                          COMM
                                                                                                                              7788 23-JAN-82
7839 01-MAY-81
7839 09-JUN-81
7839 02-APR-81
7556 03-DEC-81
7902 17-DEC-80
7698 20-FEB-81
7698 28-SEP-81
7788 23-MAY-87
7698 03-DEC-81
                                                                         PRES I DENT
                                                                                                                                                                                                      5000
                    7839 KING
                                                                                                                                                                                                                                                                                      10
10
10
20
20
20
30
30
30
30
30
10
                   7839 KING
7698 BLAKE
77882 CLARK
7566 JONES
7788 SCOTT
7902 FORD
7369 SMITH
7499 ALLEN
7521 WARD
7654 MARTIN
7844 TURNER
7876 ADAMS
7900 JAMES
7934 MILLER
                                                                        PRESIDENT
MANAGER
MANAGER
MANAGER
ANALYST
ANALYST
CLERK
SALESMAN
SALESMAN
SALESMAN
SALESMAN
                                                                                                                                                                                                     2850
2450
2975
3000
1300
1600
1250
1500
1600
1450
                                                                                                                                                                                                                                          300
500
1400
                                                                         CLERK
CLERK
CLERK
                                                                                                                                                                                                      1800
 14 rows selected.
sqr> =
```

2) Update the manager of James as CLARK.

```
update EMP_Harsh13
        set MGR=7782
where ENAME='JAMES';
1 row updated.
SQL> select * from EMP_Harsh13;
         EMPNO ENAME
                                                                                                                              COMM
                                                                                                                                               DEPTNO
                                       JOB
                                                                      MGR HIREDATE
                                                                                                            SAL
          7839 KING
7698 BLAKE
7782 CLARK
                                                                             17-NOV-81
01-MAY-81
09-JUN-81
                                       PRESIDENT
MANAGER
                                                                                                          5000
                                                                     7839
                                                                                                           2850
                                                                                                                                                      3И
                                       MANAGER
                                                                     7839
                                                                                                           2450
                                                                    7837 07-30N-81
7839 02-APR-81
7566 19-APR-87
7566 03-DEC-81
7902 17-DEC-80
          7566 JONES
7788 SCOTT
7902 FORD
                                                                                                                                                      20
20
20
                                        MANAGER
                                                                                                           2975
                                       ANALYST
ANALYST
                                                                                                           3000
                                                                                                           3000
          7902
7369 SMIIn
7499 ALLEN
7521 WARD
                                       CLERK
                                                                                                           1300
                                       SALESMAN
SALESMAN
                                                                    7698 20-FEB-81
7698 22-FEB-81
7698 28-SEP-81
                                                                                                          1600
1250
1250
                                                                                                                                300
                                                                                                                                                      30
30
           7521 WARD
7654 MARTIN
                                                                                                                                500
                                       SALESMAN
SALESMAN
                                                                                                                              1400
                                                                                                                                                      30
                                                                    7698 08-SEP-81
7788 23-MAY-87
7782 03-DEC-81
7782 23-JAN-82
          7844 TURNER
7876 ADAMS
                                                                                                           1500
                                                                                                                                                      30
                                                                                                                                                      20
30
                                       CLERK
                                                                                                          1600
           7900 JAMES
                                                                                                           1450
                                       CLERK
          7934 MILLER
                                       CLERK
                                                                                                           1800
14 rows selected.
SQL> _
```

3) Change the role of Miller as MANAGER.

```
update EMP_Harsh13
set JOB='MANAGER'
where ENAME='MILLER';
1 row updated.
SQL> select * from EMP_Harsh13;
           EMPNO ENAME
                                                                                           MGR HIREDATE
                                                                                                                                             SAL
                                                                                                                                                                    COMM
                                                                                                                                                                                          DEPTNO
                                                                                                                                           5000
              7839
                                                   PRES I DENT
                                                                                                     17-NOV-81
                        KING
                                                                                        17-NOU-81
7839 01-MAY-81
7839 09-JUN-81
7839 02-APR-81
7566 19-APR-87
7566 03-DEC-81
7902 17-DEC-80
7698 20-FEB-81
7698 22-FEB-81
7698 28-SEP-81
7698 08-SEP-81
7698 08-SEP-81
                                                                                                                                          2850
2850
2450
2975
3000
          766 JONES
766 JONES
7788 SCOTT
77902 FORD
7369 SMITP
7499 AJ7
7521
             7698 BLAKE
7782 CLARK
                                                   MANAGER
MANAGER
                                                                                                                                                                                                   30
10
20
20
20
30
30
30
30
30
30
                                                   MANAGER
ANALYST
ANALYST
                                                                                                                                           3000
                                                   CLERK
SALESMAN
                                                                                                                                           1300
                                                                                                                                                                       300
                                                                                                                                           1600
             7477 HLLEN
7521 WARD
7654 MARTIN
7844 TURNER
7876 ADAMS
7900 JAMES
                                                                                                                                           1250
1250
                                                   SALESMAN
                                                                                                                                                                    1400
                                                   SALESMAN
                                                                                                                                           1500
                                                                                         7788 23-MAY-87
7782 03-DEC-81
7782 23-JAN-82
                                                                                                    23-MAY-87
03-DEC-81
                                                   CLERK
                                                                                                                                           1600
                                                                                                                                           1450
             7934 MILLER
                                                   MANAGER
                                                                                                                                           1800
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 7788 SCOTT 7902 FORD 7369 SMITH 7499 ALLEN 7521 WARD 7654 MARTIN 7844 TURNER 7876 ADAMS 7900 JAMES  10 rows selected.  SQL> | PRESIDENT ANALYST ANALYST CLERK SALESMAN SALESMAN SALESMAN SALESMAN CLERK CLERK | 7566<br>7902<br>7698<br>7698<br>7698<br>7698<br>7788 | 17-NOU-81<br>19-APR-87<br>03-DEC-81<br>17-DEC-80<br>20-FEB-81<br>22-FEB-81<br>28-SEP-81<br>08-SEP-81<br>23-MAY-87<br>03-DEC-81 | 5000<br>3000<br>3000<br>1300<br>1600<br>1250<br>1500<br>1600<br>1450 | 300<br>500<br>1400<br>0 | 10<br>20<br>20<br>20<br>30<br>30<br>30<br>20<br>30 |  |

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>
```