

Practical no: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

Run SQL Command Line						
EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM

DEPTNO						

7369 20	SMITH	CLERK	7902	17-DEC-80	800	
7499 30	ALLEN	SALESMAN	7698	20-FEB-81	1600	300
7521 30	WARD	SALESMAN	7698	22-FEB-81	1250	500

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM

DEPTNO						

7654 30	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400
7844 30	TURNER	SALESMAN	7698	08-SEP-81	1500	0
7876 20	ADAMS	CLERK	7788	23-MAY-87	1100	

Run SQL Command Line						
EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM

DEPTNO						

7900 30	JAMES	CLERK	7698	03-DEC-81	950	
7934 10	MILLER	CLERK	7782	23-JAN-82	1300	

14 rows selected.

SQL>

Dept table

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

```
Run SQL Command Line
SQL> select * from dept;

  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
2 set sal=1300
3 where empno=7369;

1 row updated.
```

```
SQL> update emp
2 set sal=1600
3 where empno=7876;

1 row updated.
```

```
SQL> update emp
2 set sal=1450
3 where empno=7900;

1 row updated.
```

```
SQL> update emp
  2  set sal=11800
  3  where empno=7934;
```

1 row updated.

```
SQL> █
```

2)Update the manager of James as CLARK.

```
SQL> update emp
  2  set mgr=7782
  3  where ename='JAMES';
```

1 row updated.

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM

DEPTNO						

7900	JAMES	CLERK	7782	03-DEC-81	1450	
30						

3)Change the role of Miller as MANAGER

```
SQL> update emp
  2  set job='MANAGER'
  3  where ename='MILLER';
```

1 row updated.

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM

DEPTNO						

7900	JAMES	CLERK	7782	03-DEC-81	1450	
30						
7934	MILLER	MANAGER	7782	23-JAN-82	11800	
10						

4)Delete the records of Manager.

```
Run SQL Command Line
SQL> delete from emp
2  where job='MANAGER';

4 rows deleted.

SQL> select * from emp;
```

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						

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM

DEPTNO						

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						

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM

DEPTNO						

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						

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

```
SQL> delete from emp  
2  where sal>1000;
```

10 rows deleted.

```
SQL> select * from emp;
```

no rows selected

```
SQL>
```