

## **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 surabhii_EMP values(7839,'KING','PRESIDENT',NULL,'17-NOV-81',5000,NULL,10);
```

```
1 row created.
```

```
SQL> insert into surabhii_EMP values(7698,'BLAKE','MANAGER',7839,'1-MAY-81',2850,NULL,30);
```

```
1 row created.
```

```
SQL> insert into surabhii_EMP values(7782,'CLARK','MANAGER',7839,'09-JUN-81',2450,NULL,10);
```

```
1 row created.
```

```
SQL> insert into surabhii_EMP values(7566,'JONES','MANAGER',7839,'02-APR-81',2975,NULL,20);
```

```
SQL> select * from surabhii_EMP;
```

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7839 10	KING	PRESIDENT		17-NOV-81	5000	
7698 30	BLAKE	MANAGER	7839	01-MAY-81	2850	
7782 10	CLARK	MANAGER	7839	09-JUN-81	2450	
EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7566 20	JONES	MANAGER	7839	02-APR-81	2975	
7788 20	SCOTT	ANALYST	7566	19-APR-87	3000	
7902 20	FORD	ANALYST	7566	03-DEC-81	3000	

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
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
EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
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	
EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7900 30	JAMES	CLERK	7698	03-DEC-81	950	
7934 10	MILLER	CLERK	7782	23-JAN-82	1300	

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

```
1 row created.
```

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

```
1 row created.
```

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

```
1 row created.
```

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

```
1 row created.
```

```
SQL> select * from surabhi_DEPT;
```

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

## B) Update and Delete Queries

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

```
SQL> update surabhii_EMP
```

```
2  set SAL=SAL+500
```

```
3  where Job='CLERK';
```

```
4 rows updated.
```

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7369 20	SMITH	CLERK	7902	17-DEC-80	1300	
7499 30	ALLEN	SALESMAN	7698	20-FEB-81	1600	300
7521 30	WARD	SALESMAN	7698	22-FEB-81	1250	500
EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
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	1600	
EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7900 30	JAMES	CLERK	7698	03-DEC-81	1450	
7934 10	MILLER	CLERK	7782	23-JAN-82	1800	

2) Update the manager of James as CLARK.

```
SQL> update surabhii_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 surabhii_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 surabhii_EMP
2  where Job='MANAGER';

4 rows deleted.
```

```
SQL> select * from surabhii_EMP;
```

EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7839 10	KING	PRESIDENT		17-NOV-81	5000	
7788 20	SCOTT	ANALYST	7566	19-APR-87	3000	
7902 20	FORD	ANALYST	7566	03-DEC-81	3000	
EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
7369 20	SMITH	CLERK	7902	17-DEC-80	1300	
7499 30	ALLEN	SALESMAN	7698	20-FEB-81	1600	300
7521 30	WARD	SALESMAN	7698	22-FEB-81	1250	500
EMP_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----						
DEPT_NO						
-----						
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	1600	
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 surabhii_EMP  
2  where SAL>1000;  
  
10 rows deleted.  
  
SQL> select * from surabhii_EMP;  
  
no rows selected
```