## Practical 2: Study of Data Manipulation Language Statement

A) Insert the following records in above created table

## **EMP TABLE**

<b>EMPNO</b>	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 tahir_DEPT values(10, 'ACCOUNTING', 'NEW YORK');

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

SQL> select * from tahir_DEPT;

DEPT_NO DNAME

LOC

10 ACCOUNTING NEW YORK
20 RESEARCH DALLAS
30 SALES CHICAGO
40 OPERATIONS BOSTON
```

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	
EMP_NO ENAME JOB MGR HIREDATE SAL	COMM
EPT_NO	
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	
EMP_NO ENAME JOB MGR HIREDATE SAL	COMM
PT_NO	
7369 SMITH CLERK 7902 17-DEC-80 800 20	
7499 ALLEN SALESMAN 7698 20-FEB-81 1600 30	300
7521 WARD SALESMAN 7698 22-FEB-81 1250 30	500

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

### B) Update and Delete Queries

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

```
SQL> update tahirr_EMP
2 set SAL=SAL+500
3 where Job='CLERK';
4 rows updated.
```

EMP_NO ENAME		11011	HIREDATE		COMM
DEPT_NO					
7839 KING 10	PRESIDENT		17-NOV-81	5000	
7698 BLAKE 30	MANAGER	7839	01-MAY-81	2850	
7782 CLAR	( MANAGER	7839	09-JUN-81	2450	
EMP_NO ENAME		MGR		SAL	
DEPT_NO					
	5 MANAGER	7839	02-APR-81	2975	
7788 SCOT	T ANALYST	7566	19-APR-87	3000	
7902 FORD 20	ANALYST	7566	03-DEC-81	3000	
EMP_NO ENAME	јов	MGR		SAL	
DEPT_NO	ग्रामामा मान्यस्था माना माना माना माना ग्राम				
7369 SMITH 20	d CLERK	7902	17-DEC-80	1300	
7499 ALLEN 30	N SALESMAN	7698	20-FEB-81	1600	300
7521 WARD 30	SALESMAN	7698	22-FEB-81	1250	500

# 2) Update the manager of James as CLARK.

```
SQL> update tahirr_EMP
2 set Job='CLARK'
3 where Ename='JAMES';
1 row updated.
```

EMP_NO MM	ENAME	ЈОВ	MGR HIREDATE	SAL CO
DEPT_NO				
7900 30	JAMES	CLARK	7698 03-DEC-81	1450

### 3) Change the role of Miller as MANAGER.

```
SQL> update tahirr_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 tahirr_EMP
2 where Job='MANAGER';
4 rows deleted.
```

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	ЈОВ		HIREDATE		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			HIREDATE		COMM
DEPT_NO						
7654 30	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400
7844 0 30	TURNER	SALESMAN	7698	08-SEP-81	1500	
7876 20	ADAMS	CLERK	7788	23-MAY-87	1600	
EMP_NO DEPT_NO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
7900 30	JAMES	CLARK	7698	03-DEC-81	1450	

<sup>5)</sup> Delete the records when salary is greater than 1000.

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

10 rows deleted.

```
SQL> select * from tahirr_EMP;
no rows selected
```