NAME: komal menaria
Roll no:42
Class:FYBSCIT

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

```
Run SQL Command Line                                                                    —    □    ×

SQL> insert into EMP_komal values(7839,'KING','PRESIDENT','','17-Nov-81',5000,'',10);

1 row created.

SQL> insert into EMP_komal values(7698,'BLAKE','MANAGER',7839,'01-May-81',2850,'',30);

1 row created.

SQL> insert into EMP_komal values(7782,'CLARK','MANAGER',7839,'09-Jun-81',2450,'',10);

1 row created.

SQL> insert into EMP_komal values(7566,'JONES','MANAGER',7839,'02-Apr-81',2975,'',20);

1 row created.

SQL>  insert into EMP_komal values(7788,'SCOTT','ANALYST',7566,'19-Apr-87',3000,'',20);

1 row created.

SQL>  insert into EMP_komal values(7902,'FORD','ANALYST',7566,'03-Dec-81',3000,'',20);

1 row created.

SQL>  insert into EMP_komal values(7369,'SMITH','CLERK',7902,'17-Dec-80',800,'',20);

1 row created.

SQL> insert into EMP_komal values(7499,'ALLEN','SALESMAN',7698,'20-Feb-81',1600,300,30);

1 row created.

SQL> insert into EMP_komal values(7521,'WARD','SALESMAN',7698,'22-Feb-81',1250,500,30);

1 row created.

SQL> insert into EMP_komal values(7654,'MARTIN','SALESMAN',7698,'28-Sep-81',1250,1400,30);

1 row created.

SQL>  insert into EMP_komal values(7844,'TURNER','SALESMAN',7698,'08-Sep-81',1500,0,30);

1 row created.
```

NAME: komal menaria
Roll no:42
Class:FYBSCIT

```
SQL>  insert into EMP_komal values(7876,'ADAMS','CLERK',7788,'23-May-87',1100,'',20);

1 row created.

SQL>  insert into EMP_komal values(7900,'JAMES','CLERK',7698,'03-Dec-81',950,'',30);

1 row created.

SQL> insert into EMP_komal values(7934,'MILLER','CLERK',7782,'23-Jan-82',1300,'',10);

1 row created.

SQL> select * from EMP_komal;

     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


     EMPNO ENAME      JOB          MGR HIREDATE       SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      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


     EMPNO ENAME      JOB          MGR HIREDATE       SAL       COMM
```

```
     EMPNO ENAME      JOB          MGR HIREDATE       SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      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


     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      1100
        20


     EMPNO ENAME      JOB          MGR HIREDATE       SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7900 JAMES      CLERK           7698 03-DEC-81       950
        30

      7934 MILLER     CLERK           7782 23-JAN-82      1300
        10

14 rows selected.

SQL> _
```

DEPT TABLE

NAME: komal menaria
Roll no:42
Class:FYBSCIT

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

```
Run SQL Command Line                                                                    —    □    ×

SQL> insert into DEPT_KOMAL values(10,'ACCOUNTINGNEW','YORK');

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

SQL> select * from DEPT_KOMAL
  2
SQL>  select * from DEPT_KOMAL;

    DEPTNO DNAME          LOC
---------- -------------- ------------
        10 ACCOUNTINGNEW  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.

```
Run SQL Command Line                                                                    —    □    ×

SQL>  UPDATE EMP_komal
  2  SET SAL=SAL+500
  3  WHERE JOB='CLERK';

4 rows updated.

SQL>
```
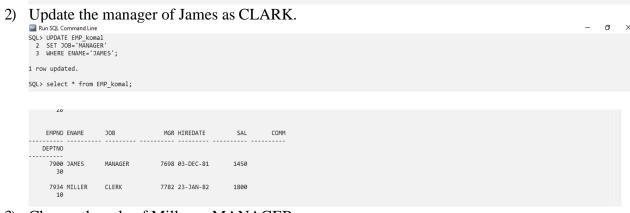
NAME: komal menaria
Roll no:42
Class:FYBSCIT

```
Run SQL Command Line                                                          —  □  ×
SQL> select * from EMP_komal;

     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


     EMPNO ENAME      JOB            MGR HIREDATE       SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      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


     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
```

```
Run SQL Command Line                                                          —  □  ×

     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


     EMPNO ENAME      JOB            MGR HIREDATE       SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      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.

```
Run SQL Command Line                                                          —  □  ×
SQL> UPDATE EMP_komal
  2  SET JOB='MANAGER'
  3  WHERE ENAME='JAMES';

1 row updated.

SQL> select * from EMP_komal;

        20

     EMPNO ENAME      JOB            MGR HIREDATE       SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7900 JAMES      MANAGER       7698 03-DEC-81      1450
        30

      7934 MILLER     CLERK         7782 23-JAN-82      1800
        10
```

3) Change the role of Miller as MANAGER.

```
Run SQL Command Line                                                    —   □   ×

SQL> UPDATE EMP_komal
  2  SET JOB='MANAGER'
  3  WHERE ENAME='MILLER';

1 row updated.


    EMPNO ENAME      JOB           MGR HIREDATE      SAL      COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7900 JAMES      MANAGER      7698 03-DEC-81     1450
        30

      7934 MILLER     MANAGER      7782 23-JAN-82     1800
        10
```

4) Delete the records of Manager

```
Select Run SQL Command Line                                             —   □   ×

SQL> delete from EMP_komal
  2  where JOB='MANAGER';

5 rows deleted.

SQL> select * from EMP_komal;
    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
```

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

```
Run SQL Command Line                                                    —   □   ×

9 rows selected.

SQL> delete from EMP_komal
  2  where SAL>1000;

9 rows deleted.

SQL> select * from EMP_komal;

no rows selected

SQL>
```