ASSIGNMENT-2

Name: Shangirne Kharbanda

Registration Number: 20BAI1154

Slot: L47 + L48

1. Create the following tables:

a. DEPARTMENT (DEPT_ID, DEPT_NAME).

b. PROJECT (PROJECT_ID, PROJECT_NAME, DID).

c. EMPLOYEE(EMP_ID, NAME, GENDER, DID, PID, DOJ).

Ans 1.

```
SQL> CREATE TABLE DEPARTMENT_20BAI1154(DEPT_ID INTEGER, DEPT_NAME VARCHAR2(20));

Table created.

SQL> CREATE TABLE PROJECT_20BAI1154(PROJECT_ID INTEGER, PROJECT_NAME VARCHAR2(20));

Table created.

SQL> CREATE TABLE EMPLOYEE_20BAI1154(EMP_ID INTEGER, NAME VARCHAR2(20), GENDER VARCHAR2(10), DID INTEGER, PID INTEGER, DOJ INTEGER);

Table created.

SQL>
```

2. Insert 5 departments into DEPARTMENT table.

Ans 2.

```
SQL> INSERT ALL
  2  INTO DEPARTMENT_20BAI1154 VALUES(1, 'CUSTOMS')
  3  INTO DEPARTMENT_20BAI1154 VALUES(2, 'RESERVE')
  4  INTO DEPARTMENT_20BAI1154 VALUES(3, 'INTERCHANGE')
  5  INTO DEPARTMENT_20BAI1154 VALUES(4, 'FACTORY')
  6  INTO DEPARTMENT_20BAI1154 VALUES(5, 'SHORELINE')
  7  SELECT * FROM DUAL;

5 rows created.

SQL> SELECT * FROM DEPARTMENT_20BAI1154;

   DEPT_ID DEPT_NAME
---------- --------------------
         1 CUSTOMS
         2 RESERVE
         3 INTERCHANGE
         4 FACTORY
         5 SHORELINE

SQL>
```

3. Insert 5 projects into PROJECT table.

Ans 3.

```
SQL> INSERT ALL
  2  INTO PROJECT_20BAI1154 VALUES(1,'LEDX',1)
  3  INTO PROJECT_20BAI1154 VALUES(2,'BITCOIN',2)
  4  INTO PROJECT_20BAI1154 VALUES(3,'TETRIS',3)
  5  INTO PROJECT_20BAI1154 VALUES(4,'GP',4)
  6  INTO PROJECT_20BAI1154 VALUES(5,'PROPANE',5)
  7  SELECT * FROM DUAL;

5 rows created.

SQL> SELECT * FROM PROJECT_20BAI1154;

PROJECT_ID PROJECT_NAME                DID
---------- -------------------- ----------
         1 LEDX                          1
         2 BITCOIN                       2
         3 TETRIS                        3
         4 GP                            4
         5 PROPANE                       5

SQL>
```

4. Insert 5 Employees into EMPLOYEE table.

Ans 4.

```
SQL> INSERT ALL
  2      INTO EMPLOYEE_20BAI1154 VALUES(1001, 'KUMAR', 'MALE', 1, 1, '02-FEB-20')
  3      INTO EMPLOYEE_20BAI1154 VALUES(1002,'ADAM','MALE', 2,2,'03-MAR-20')
  4      INTO EMPLOYEE_20BAI1154 VALUES(1003, 'EMILY' , 'FEMALE', 3, 3, '01-JAN-21')
  5      INTO EMPLOYEE_20BAI1154 VALUES(1004, 'REBECCA','FEMALE', 4, 4, '07-APR-19')
  6      INTO EMPLOYEE_20BAI1154 VALUES(1005, 'RACHEL', 'FEMALE', 5, 5, '05-MAR-20')
  7    SELECT * FROM DUAL;

5 rows created.

SQL> select * from EMPLOYEE_20BAI1154;

    EMP_ID NAME                 GENDER            DID        PID DOJ
---------- -------------------- ---------- ---------- ---------- ---------
      1001 KUMAR                MALE               1          1 02-FEB-20
      1002 ADAM                 MALE               2          2 03-MAR-20
      1003 EMILY                FEMALE             3          3 01-JAN-21
      1004 REBECCA              FEMALE             4          4 07-APR-19
      1005 RACHEL               FEMALE             5          5 05-MAR-20

SQL>
```

5. Update the employee PID from 1 to 2 for the employee whose employee id is ‘1001’.

Ans 5.

```
SQL> UPDATE EMPLOYEE_20BAI1154 SET PID = 2 WHERE EMP_ID = 1001;

1 row updated.

SQL> select * from EMPLOYEE_20BAI1154;

    EMP_ID NAME                 GENDER            DID        PID DOJ
---------- -------------------- ---------- ---------- ---------- ---------
      1001 KUMAR                MALE                1          2 02-FEB-20
      1002 ADAM                 MALE                2          2 03-MAR-20
      1003 EMILY                FEMALE              3          3 01-JAN-21
      1004 REBECCA              FEMALE              4          4 07-APR-19
      1005 RACHEL               FEMALE              5          5 05-MAR-20

SQL>
```

6. Update the employee NAME from ‘KUMAR’ to ‘KUMAAR’ for the employee whose name is ‘KUMAR’.

Ans 6.

```
SQL> UPDATE EMPLOYEE_20BAI1154 SET NAME= 'KUMAAR' WHERE NAME='KUMAR';

1 row updated.

SQL> select * from EMPLOYEE_20BAI1154;

    EMP_ID NAME                 GENDER            DID        PID DOJ
---------- -------------------- ---------- ---------- ---------- ---------
      1001 KUMAAR               MALE                1          2 02-FEB-20
      1002 ADAM                 MALE                2          2 03-MAR-20
      1003 EMILY                FEMALE              3          3 01-JAN-21
      1004 REBECCA              FEMALE              4          4 07-APR-19
      1005 RACHEL               FEMALE              5          5 05-MAR-20

SQL>
```

7. Delete the list of female employees belonging to project 2.

Ans 7.

```
SQL> DELETE FROM EMPLOYEE_20BAI1154 WHERE GENDER='FEMALE';

3 rows deleted.

SQL> select * from EMPLOYEE_20BAI1154;

    EMP_ID NAME                GENDER            DID        PID DOJ
---------- ------------------- ---------- ---------- ---------- ---------
      1001 KUMAAR              MALE                1          2 02-FEB-20
      1002 ADAM                MALE                2          2 03-MAR-20

SQL>
```

8. Delete the list of male employees belonging to project 1.

Ans 8.

```
SQL> DELETE FROM EMPLOYEE_20BAI1154 WHERE GENDER='MALE';

2 rows deleted.

SQL> select * from EMPLOYEE_20BAI1154;

no rows selected

SQL>
```

9. Delete the projects that are under department 1.

Ans 9.

```
SQL> DELETE FROM PROJECT_20BAI1154 WHERE DID=1;

1 row deleted.

SQL> SELECT * FROM PROJECT_20BAI1154;

PROJECT_ID PROJECT_NAME               DID
---------- ------------------- ----------
         2 BITCOIN                      2
         3 TETRIS                       3
         4 GP                           4
         5 PROPANE                      5
```

10. Drop all the three tables.

Ans 10.

```
SQL> DROP TABLE DEPARTMENT_20BAI1154;

Table dropped.

SQL> DROP TABLE PROJECT_20BAI1154;

Table dropped.

SQL> DROP TABLE EMPLOYEE_20BAI1154;

Table dropped.
```