SQL> /*1. Create following Tables*/

SQL> /*cust_mstr (cust_no,fname,lname)*/

SQL> /*add_dets (code_no,add1,add2,state,city,pincode)*/

SQL> /*Query: Retrieve the address of customer Fname as 'xyz' and Lname as 'pqr'*/

SQL> CREATE TABLE cust_mstr(cust_no int, fname varchar(40),lname varchar(40));

Table created.

SQL> CREATE TABLE add_dets(code_no int, add1 varchar(40),add2 varchar(40),state varchar(40),city varchar(40),pincode int);

Table created.

SQL> INSERT INTO add_dets VALUES (111,'A403','ORION','MH','PEN',402107);

1 row created.

SQL> INSERT INTO add_dets VALUES (222,'KAL ROOM','PCP HOSTEL','MH','NIGDI',411066);

1 row created.

SQL> INSERT INTO CUST_MSTR VALUES (111,'Soham','Mhatre');

1 row created.

SQL> INSERT INTO CUST_MSTR VALUES (222,'Atharva','Kamtalwar');

1 row created.

SQL> Select ADD_DETS.add1 FROM CUST_MSTR inner join add_dets ON CUST_NO=CODE_NO WHERE cust_mstr.FNAME='Soham' and cust_mstr.LNAME='Mhatre';

ADD1

A403

SQL> DROP TABLE cust_mstr;

Table dropped.

SQL> DROP TABLE add_dets;

Table dropped.

SQL> /*2.Create following Tables*/

SQL> /*cust_mstr(custno,fname,lname)*/

DROP TABLE fd_dets

SQL> /*acc_fd_cust_dets(codeno,acc_fd_no)*/

SQL> /*fd_dets(fd_sr_no,amt)*/

SQL> /*Query: List the customer holding fixed deposit of amount more than 5000*/

```
SQL> CREATE TABLE fd_dets(fd_sr_no int, amt int);

Table created.

SQL> CREATE TABLE cust_mstr(custno int,fname varchar(10),lname varchar(10));

Table created.

SQL> CREATE TABLE  cust_acc_fd_cust_dets (codeno int ,acc_fd_no int);

Table created.

SQL> INSERT INTO CUST_MSTR VALUES (111,'Soham','Mhatre');

1 row created.

SQL> INSERT INTO CUST_MSTR VALUES (222,'Atharva','Kamtalwar');

1 row created.

SQL> INSERT INTO CUST_MSTR VALUES (333,'Vedant','Pawar');

1 row created.

SQL> INSERT INTO cust_acc_fd_cust_dets VALUES (111,1);

1 row created.

SQL> INSERT INTO cust_acc_fd_cust_dets VALUES (222,2);

1 row created.

SQL> INSERT INTO cust_acc_fd_cust_dets VALUES (333,3);

1 row created.

SQL> INSERT INTO fd_dets VALUES (1,1000);

1 row created.

SQL> INSERT INTO fd_dets VALUES (2,200000);

1 row created.

SQL> INSERT INTO fd_dets VALUES (3,30000000);

1 row created.

SQL> SELECT CUST_MSTR.fname,CUST_MSTR.lname FROM CUST_MSTR FULL OUTER JOIN cust_acc_fd_cust_dets ON
cust_acc_fd_cust_dets.codeno = cust_mstr.custno FULL OUTER JOIN fd_dets ON cust_acc_fd_cust_dets.acc_fd_no =
fd_dets.fd_sr_no;

FNAME      LNAME

---------- ----------

Soham      Mhatre

Atharva    Kamtalwar

Vedant     Pawar

SQL> DROP TABLE cust_mstr;
```

Table dropped.

SQL> DROP TABLE cust_acc_fd_cust_dets;

Table dropped.

SQL> DROP TABLE fd_dets;

Table dropped.

SQL> /*3. Create following Tables*/

SQL> /*emp_mstr(e_mpno,f_name,l_name,m_name,dept,desg,branch_no)*/

SQL> /*branch_mstr(name,b_no)*/

SQL> /*Query: List the employee details along with branch names to which they belong*/

ORA-00942: table or view does not exist

SQL> CREATE TABLE emp(e_mpno number(10),f_name varchar(10),l_name varchar(10),m_name varchar(10),dept varchar(10),desg varchar(10),branch_no number(10));

Table created.

SQL> CREATE TABLE branch_mstr(name varchar(10),b_no number(10));

Table created.

SQL> INSERT INTO emp (e_mpno, f_name, l_name, m_name, dept, desg, branch_no) VALUES (1, 'Soham', 'Mhatre', 'Devidas', 'Loan', 'Head', 123);

1 row created.

SQL> INSERT INTO emp (e_mpno, f_name, l_name, m_name, dept, desg, branch_no) VALUES (2, 'Atharva', 'Kamtalwar', 'Rajesh', 'Loan', 'Secretary', 123);

1 row created.

SQL> INSERT INTO emp (e_mpno, f_name, l_name, m_name, dept, desg, branch_no) VALUES (3, 'Vedant', 'Pawar', 'Hari', 'Account', 'Head', 122);

1 row created.

SQL> INSERT INTO branch_mstr VALUES ('Pen','123');

1 row created.

SQL> INSERT INTO branch_mstr VALUES ('Alibag','122');

1 row created.

SQL> SELECT f_name,l_name,m_name,name,dept,desg FROM emp INNER JOIN branch_mstr ON branch_no=b_no;

F_NAME L_NAME M_NAME NAME DEPT DESG

---------- ---------- ---------- ---------- ---------- ----------

Soham Mhatre Devidas Pen Loan Head

Atharva Kamtalwar Rajesh Pen Loan Secretary

Vedant Pawar Hari Alibag Account Head

SQL> DROP TABLE emp;

Table dropped.

SQL> DROP TABLE branch_mstr;

Table dropped.

SQL> /*4. Create following Tables*/

SQL> /*emp_mstr(emp_no,f_name,l_name,m_name,dept)*

SQL> /*cntc_dets(code_no,cntc_type,cntc_data)*/

SQL> /*Query: List the employee details along with contact details using left outer join & right join*/

SQL> CREATE TABLE emp_mstr(e_mpno number(10),f_name varchar(10),l_name varchar(10),m_name varchar(10),dept varchar(10));

Table created.

SQL> CREATE TABLE cntc_dets(code_no number(10),cntc_type varchar(10),cntc_data number(10));

Table created.

SQL> INSERT INTO emp_mstr (e_mpno, f_name, l_name, m_name, dept) VALUES (1, 'Soham', 'Mhatre', 'Devidas', 'Loan');

1 row created.

SQL> INSERT INTO emp_mstr (e_mpno, f_name, l_name, m_name, dept) VALUES (2, 'Atharva', 'Kamtalwar', 'Rajesh', 'Loan');

1 row created.

SQL> INSERT INTO emp_mstr (e_mpno, f_name, l_name, m_name, dept) VALUES (3, 'Vedant', 'Pawar', 'Hari', 'Account');

1 row created.

SQL> INSERT INTO cntc_dets(code_no,cntc_type,cntc_data) VALUES (1,'Home',8087560491);

1 row created.

SQL> INSERT INTO cntc_dets(code_no,cntc_type,cntc_data) VALUES (2,'Office',777777777);

1 row created.

SQL> INSERT INTO cntc_dets(code_no,cntc_type,cntc_data) VALUES (1,'Home',9999999999);

1 row created.

SQL> SELECT * FROM emp_mstr LEFT OUTER JOIN cntc_dets ON code_no=e_mpno;

```
   E_MPNO F_NAME     L_NAME     M_NAME     DEPT         CODE_NO CNTC_TYPE

---------- ---------- ---------- ---------- ---------- ---------- ----------

 CNTC_DATA

----------

       1 Soham      Mhatre     Devidas    Loan             1 Home
```

8087560491

2 Atharva Kamtalwar Rajesh Loan 2 Office

777777777

1 Soham Mhatre Devidas Loan 1 Home

9999999999

E_MPNO F_NAME L_NAME M_NAME DEPT CODE_NO CNTC_TYPE

---------- ---------- ---------- ---------- ---------- ---------- ----------

CNTC_DATA

---

3 Vedant Pawar Hari Account

SQL> DROP TABLE emp_mstr;

Table dropped.

SQL> DROP TABLE cntc_dets;

Table dropped.

SQL> /*5. Create following Tables*/

SQL> /*cust_mstr(cust_no,fname,lname)*/

SQL> /*add_dets(code_no,pincode)*/

SQL> /*Query: List the customer who do not have bank branches in their vicinity.*/

SQL> CREATE TABLE cust_mstr(cust_no number(10),f_name varchar(10),l_name varchar(10));

Table created.

SQL> CREATE TABLE add_dets(code_no number(10),pincode number(10));

Table created.

SQL> INSERT INTO cust_mstr (cust_no,f_name,l_name) VALUES (1, 'Soham', 'Mhatre');

1 row created.

SQL> INSERT INTO cust_mstr (cust_no,f_name,l_name) VALUES (2, 'Atharva', 'Kamtalwar');

1 row created.

SQL> INSERT INTO cust_mstr (cust_no,f_name,l_name) VALUES (3, 'Vedant', 'Pawar');

1 row created.

SQL> INSERT INTO cust_mstr (cust_no,f_name,l_name) VALUES (4, 'Hari', 'Padalwar');

1 row created.

SQL> INSERT INTO add_dets(code_no,pincode) VALUES (1,412414);

1 row created.

```
SQL> INSERT INTO add_dets(code_no,pincode) VALUES (2,430111);

1 row created.

SQL> INSERT INTO add_dets(code_no,pincode) VALUES (3,402111);

1 row created.

SQL> INSERT INTO add_dets(code_no,pincode) VALUES (4,NULL);

1 row created.

SQL> SELECT * FROM add_dets;

  CODE_NO    PINCODE

---------- ----------

       1    412414

       2    430111

       3    402111

       4

SQL> SELECT * FROM cust_mstr;

  CUST_NO F_NAME     L_NAME

---------- ---------- ----------

       1 Soham      Mhatre

       2 Atharva    Kamtalwar

       3 Vedant     Pawar

       4 Hari       Padalwar

SQL> SELECT * FROM cust_mstr LEFT OUTER JOIN add_dets ON code_no = cust_no WHERE add_dets.PINCODE IS
NULL;

  CUST_NO F_NAME     L_NAME       CODE_NO    PINCODE

---------- ---------- ---------- ---------- ----------

       4 Hari       Padalwar           4

SQL> DROP TABLE cust_mstr;

Table dropped.

SQL> DROP TABLE add_dets;

Table dropped.
```

SQL> /*6. Queries on Views*/

SQL> /*a) Create View on borrower table by selecting any two columns and perform insert update delete*/

SQL> /*operations*/

```
SQL> CREATE TABLE borrower(cust_no number(10),f_name varchar(10),l_name varchar(10),amount number(10));

Table created.

SQL> CREATE TABLE depositor (cust_no number(10),f_name varchar(10),l_name varchar(10),amount number(10));

Table created.

SQL> INSERT INTO borrower VALUES(1,'Soham','Mhatre',100000);

1 row created.

SQL> INSERT INTO borrower VALUES(2,'Vedant','Pooer',1000000);

1 row created.

SQL> INSERT INTO borrower VALUES(3,'Hari','Padulwar',900000);

1 row created.

SQL> INSERT INTO borrower VALUES(4,'Arya','Singh',80000);

1 row created.

SQL> INSERT INTO borrower VALUES(5,'Mrunalini','Phutane',-1000000);

1 row created.

SQL> INSERT INTO depositor VALUES(1,'Soham','Mhatre',1000);

1 row created.

SQL> INSERT INTO depositor VALUES(2,'Vedant','Pooer',1000);

1 row created.

SQL> INSERT INTO depositor VALUES(3,'Hari','Padulwar',7000);

1 row created.

SQL> INSERT INTO depositor VALUES(4,'Arya','Singh',80);

1 row created.

SQL> INSERT INTO depositor VALUES(5,'Mrunalini','Phutane',1000000);

1 row created.

SQL> CREATE VIEW borrower_view AS SELECT cust_no,f_name FROM borrower;

View created.

SQL> INSERT INTO borrower_view VALUES(6, 'Sainath');

1 row created.

SQL> SELECT * FROM borrower_view;

   CUST_NO F_NAME
---------- ----------
         1 Soham
```

```
         2 Vedant

         3 Hari

         4 Arya

         5 Mrunalini

         6 Sainath

6 rows selected.

SQL> UPDATE borrower_view SET f_name = 'Updated' WHERE cust_no = 1;

1 row updated.

SQL> SELECT * FROM borrower_view;

  CUST_NO F_NAME

---------- ----------

         1 Updated

         2 Vedant

         3 Hari

         4 Arya

         5 Mrunalini

         6 Sainath

6 rows selected.

SQL> DELETE FROM borrower_view WHERE cust_no = 2;

1 row deleted.

SQL> SELECT * FROM borrower_view;

  CUST_NO F_NAME

---------- ----------

         1 Updated

         3 Hari

         4 Arya

         5 Mrunalini

         6 Sainath

SQL> /*c) create updateable view on borrower table by selecting any two columns and perform insert update delete
operations.*/

  CUST_NO F_NAME

---------- ----------
```

1 Updated

3 Hari

4 Arya

5 Mrunalini

6 Sainath

```
SQL> CREATE VIEW DUPLICATE_BORROW AS SELECT cust_no,amount FROM BORROWER;

View created.

SQL> INSERT INTO DUPLICATE_BORROW VALUES (11,1111);

1 row created.

SQL> UPDATE DUPLICATE_BORROW SET amount = 1112 where cust_no = 11;

1 row updated.

SQL> DELETE FROM DUPLICATE_BORROW WHERE CUST_NO=11;

1 row deleted.

SQL> DROP VIEW DUPLICATE_BORROW;

View dropped.

SQL> DROP VIEW borrower_view;

View dropped.

SQL> DROP TABLE borrower;

Table dropped.

SQL> DROP TABLE depositor;

Table dropped.
```