

Q1. Create following Tables

cust_mstr(cust_no,fname,lname)

add_dets(code_no,add1,add2,state,city,pincode)

Retrieve the address of customer Fname as 'xyz' and Lname as 'pqr'

Ans:-

```
CREATE TABLE cust_mstr(cust_no NUMBER(5),fname VARCHAR(20),lname  
VARCHAR(20));
```

```
INSERT INTO cust_mstr VALUES(1,'xyz','pqr');
```

```
INSERT INTO cust_mstr VALUES(2,'xyz','lmn');
```

```
INSERT INTO cust_mstr VALUES(3,'abc','pqr');
```

CUST_NO	FNAME	LNAME
1	xyz	pqr
2	xyz	lmn
3	abc	pqr

```
CREATE TABLE add_dets(code_no INTEGER,add1 VARCHAR(20),add2  
VARCHAR(20),state VARCHAR(20),city VARCHAR(20),pincode INTEGER);
```

```
INSERT INTO add_dets VALUES(1,'Pune','Pim-Chin','Maha.','Pune',410510);
```

```
INSERT INTO add_dets VALUES(2,'Nigdi','Pim-Chin','Maha.','Pune',411044);
```

CODE_NO	ADD1	ADD2	STATE	CITY	PINCODE
1	Pune	Pim-Chin	Maha.	Pune	410510
2	Pune	Pim-Chin	Maha.	Pune	411044

```
SELECT add1,add2,state,city,pincode FROM add_dets WHERE code_no IN ( SELECT  
cust_no from cust_mstr WHERE fname = 'xyz' AND lname = 'pqr');
```

ADD1	ADD2	STATE	CITY	PINCODE
Pune	Pim-Chin	Maha.	Pune	410510

Q2.Create following Tables

cust_mstr(custno,fname,lname)

acc_fd_cust_dets(codeno,acc_fd_no)

fd_dets(fd_sr_no,amt)

List the customer holding fixed deposit of amount more than 5000

Ans:-

```
CREATE TABLE cust_mstr(cust_no NUMBER(5),fname VARCHAR(10),lname  
VARCHAR(10));
```

```
INSERT INTO cust_mstr VALUES(1,'xyz','pqr');
```

```
INSERT INTO cust_mstr VALUES(2,'xyz','lmn');
```

```
INSERT INTO cust_mstr VALUES(3,'abc','pqr');
```

CUST_NO	FNAME	LNAME
-----	-----	-----
1	xyz	pqr
2	xyz	lmn
3	abc	pqr

```
CREATE TABLE acc_fd_cust_dets(codeno NUMBER(5),acc_fd_no NUMBER(5));
```

```
INSERT INTO acc_fd_cust_dets VALUES(2,201);
```

```
INSERT INTO acc_fd_cust_dets VALUES(3,202);
```

CODENO	ACC_FD_NO
-----	-----
2	201
3	202

```
CREATE TABLE fd_dets(fd_sr_no NUMBER(5),amt NUMBER(8));
```

```
INSERT INTO fd_dets VALUES(201,15000);
```

```
INSERT INTO fd_dets VALUES(202,50000);
```

FD_SR_NO	AMT
-----	-----
201	15000
202	50000

```
SELECT custno,fname,lname FROM cust_mstr WHERE cust_no IN (SELECT codeno
FROM acc_fd_cust_dets WHERE acc_fd_no IN (SELECT fd_sr_no FROM fd_dets
WHERE amt > 5000));
```

CUST_NO	FNAME	LNAME
2	xyz	lmn
3	abc	pqr

Q3. Create following Tables

```
emp_mstr(e_mpnno,f_name,l_name,m_name,dept,desg,branch_no)
```

```
branch_mstr(name,b_no)
```

List the employee details along with branch names to which they belong

Ans:-

```
CREATE TABLE emp_mstr(e_mpnno NUMBER(4),f_name VARCHAR(8),l_name
VARCHAR(8),m_name VARCHAR(8),dept VARCHAR(8),desg VARCHAR(8),branch_no
NUMBER(4));
```

```
INSERT INTO emp_mstr VALUES(100,'Rohit','Sharma','Raju','Finance','Assis.',5401);
INSERT INTO emp_mstr VALUES(101,'Virat','Kohli','Shyam','HR','HR',5402);
INSERT INTO emp_mstr VALUES(102,'Ronit','Dahiya','Anuj','Ad.','Worker',5403);
INSERT INTO emp_mstr VALUES(103,'Punit','Khan','Rahul','Finance','Manager',5401);
```

E_MPNO	F_NAME	L_NAME	M_NAME	DEPT	DESG	BRANCH_NO
100	Rohit	Sharma	Raju	Finance	Assis.	5401
101	Virat	Kohli	Shyam	HR	HR	5402
102	Ronit	Dahiya	Anuj	Ad.	Worker	5403
103	Punit	Khan	Rahul	Finance	Manager	5401

```
CREATE TABLE branch_mstr(name VARCHAR(15),b_no NUMBER(4));
```

```
INSERT INTO branch_mstr VALUES('Nigdi',5401);
INSERT INTO branch_mstr VALUES('Akurdi',5402);
INSERT INTO branch_mstr VALUES('Pimpri',5403);
INSERT INTO branch_mstr VALUES('Khadki',5404);
```

```
SELECT A.e_mpno,A.f_name,A.l_name,A.m_name,A.dept,A.desg,A.branch_no,
B.name FROM emp_mstr A INNER JOIN branch_mstr B ON A.branch_no = B.b_no;
```

E_MPNO	F_NAME	L_NAME	M_NAME	DEPT	DESG	BRANCH_NO	NAME
100	Rohit	Sharma	Raju	Finance	Assis.	5401	Nigdi
101	Virat	Kohli	Shyam	HR	HR	5402	Akurdi
102	Ronit	Dahiya	Anuj	Ad.	Worker	5403	Pimpri
103	Punit	Khan	Rahul	Finance	Manager	5401	Nigdi

Q4.Create following Tables

```
emp_mstr(emp_no,f_name,l_name,m_name,dept)
```

```
cntc_dets(code_no,cntc_type,cntc_data)
```

List the employee details along with contact details using left outer join & right join

Ans:-

```
CREATE TABLE emp_mstr(e_mpno NUMBER(4),f_name VARCHAR(8),l_name
VARCHAR(8),m_name VARCHAR(8),dept VARCHAR(8));
```

```
INSERT INTO emp_mstr VALUES(101,'abc','abc','abc','comp');
```

```
INSERT INTO emp_mstr VALUES(102,'pqr','pqr','pqr','IT');
```

```
INSERT INTO emp_mstr VALUES(103,'xyz','xyz','xyz','Mech');
```

E_MPNO	F_NAME	L_NAME	M_NAME	DEPT
101	abc	abc	abc	comp
102	pqr	pqr	pqr	IT
103	xyz	xyz	xyz	Mech

```
CREATE TABLE cntc_dets(code_no NUMBER(4), cntc_type VARCHAR(10), cntc_data
NUMBER(10));
```

```
INSERT INTO cntc_dets values (101,'personal',123456789);
```

```
INSERT INTO cntc_dets values (101,'office',456789123);
```

```
INSERT INTO cntc_dets values (102,'office',123789456);
```

```
INSERT INTO cntc_dets values (102,'personal',321789456);
```

```
INSERT INTO cntc_dets values (103,'personal',654789456);
```

CODE_NO	CNTC_TYPE	CNTC_DATA
-----	-----	-----
101	personal	123456789
101	office	456789123
102	office	123789456
102	personal	321789456
103	personal	654789456

```
SELECT * FROM emp_mstr LEFT JOIN cntc_dets ON
emp_mstr.e_mpno=cntc_dets.code_no
```

E_MPNO	F_NAME	L_NAME	M_NAME	DEPT	CODE_NO	CNTC_TYPE	CNTC_DATA
-----	-----	-----	-----	-----	-----	-----	-----
101	abc	abc	abc	comp	101	personal	123456789
101	abc	abc	abc	comp	101	office	456789123
102	pqr	pqr	pqr	IT	102	office	123789456
102	pqr	pqr	pqr	IT	102	personal	321789456
103	xyz	xyz	xyz	Mech	103	personal	654789456

```
SELECT * FROM emp_mstr RIGHT JOIN cntc_dets ON
emp_mstr.e_mpno=cntc_dets.code_no;
```

E_MPNO	F_NAME	L_NAME	M_NAME	DEPT	CODE_NO	CNTC_TYPE	CNTC_DATA
-----	-----	-----	-----	-----	-----	-----	-----
101	abc	abc	abc	comp	101	personal	123456789
101	abc	abc	abc	comp	101	office	456789123
102	pqr	pqr	pqr	IT	102	office	123789456
102	pqr	pqr	pqr	IT	102	personal	321789456
103	xyz	xyz	xyz	Mech	103	personal	654789456

Q5. Create following Tables

cust_mstr(cust_no, fname, lname)

add_dets(code_no, pincode)

List the customers who do not have bank branches in their vicinity.

Ans:-

```
CREATE TABLE cust_mstr(cust_no NUMBER(5),fname VARCHAR(10),lname
VARCHAR(10));
```

```
INSERT INTO cust_mstr VALUES(5201,'xyz','pqr');
INSERT INTO cust_mstr VALUES(5202,'xyz','lmn');
INSERT INTO cust_mstr VALUES(5203,'abc','pqr');
INSERT INTO cust_mstr VALUES(5204,'bgv','qwe');
INSERT INTO cust_mstr VALUES(5205,'rth','poi');
```

CUST_NO	FNAME	LNAME
---------	-------	-------

5201	xyz	pqr
5202	xyz	lmn
5203	abc	pqr
5204	bgv	qwe
5205	rth	poi

```
CREATE TABLE add_dets(code_no NUMBER(5),pincode NUMBER(6));
```

```
INSERT INTO add_dets VALUES(5202,411044);
INSERT INTO add_dets VALUES(5204,455088);
INSERT INTO add_dets VALUES(5205,422966);
```

CODE_NO	PINCODE
---------	---------

5202	411044
5204	455088
5205	422966

```
SELECT cust_no,fname,lname FROM cust_mstr WHERE cust_no NOT IN (SELECT
code_no FROM add_dets);
```

CUST_NO	FNAME	LNAME
---------	-------	-------

5201	xyz	pqr
5203	abc	pqr

6. a) Create View on borrower table by selecting any two columns and perform insert update delete operations

b) Create view on borrower and depositor table by selecting any one column from each table

perform insert update delete operations

c) create updatable view on borrower table by selecting any two columns and perform insert update delete operations.

Ans:-

```
CREATE TABLE Borrower(b_no NUMBER(5),name VARCHAR(10),amt NUMBER(8));
```

```
INSERT INTO Borrower VALUES(6420,'ABC',50000);
```

```
INSERT INTO Borrower VALUES(6421,'XYZ',25000);
```

```
INSERT INTO Borrower VALUES(6422,'PQR',18000);
```

```
INSERT INTO Borrower VALUES(6423,'LMN',90000);
```

B_NO	NAME	AMT
6420	ABC	50000
6421	XYZ	25000
6422	PQR	18000
6423	LMN	90000

```
CREATE TABLE Depositor(d_no NUMBER(5),name VARCHAR(10),amt NUMBER(8));
```

```
INSERT INTO Depositor VALUES(8860,'TYU',400000);
```

```
INSERT INTO Depositor VALUES(8861,'WER',40000);
```

```
INSERT INTO Depositor VALUES(8862,'ABC',70000);
```

```
INSERT INTO Depositor VALUES(8863,'ZXC',29000);
```

D_NO	NAME	AMT
8860	TYU	400000
8861	WER	40000
8862	ABC	70000
8863	ZXC	29000

```
CREATE VIEW Bor_1 AS SELECT b_no,name FROM Borrower WITH  
CHECK OPTION;
```

B_NO	NAME
6420	ABC
6421	XYZ
6422	PQR
6423	LMN

```
UPDATE Bor_1 SET name='QWE' WHERE b_no=6420;
```

B_NO	NAME
6420	QWE
6421	XYZ
6422	PQR
6423	LMN

```
DELETE Bor_1 WHERE name='PQR';
```

B_NO	NAME
6420	QWE
6421	XYZ
6423	LMN

```
INSERT INTO Bor_1 VALUES(6425,'TYU');
```

B_NO	NAME
6420	QWE
6421	XYZ
6423	LMN
6425	TYU

```
CREATE VIEW Dep_Bor AS SELECT Borrower.b_no,Borrower.name,Depositor.d_no  
FROM Borrower JOIN Depositor ON Borrower.name=Depositor.name;
```

B_NO	NAME	D_NO
6420	ABC	8862