

**Create all the below tables and insert data:**

**Table name: Bank (bname Primary key)**

+-----+-----+	
bname	bcity
AJNI Bank	NAGPUR
ANDHERI Bank	MUMBAI
CHANDANI Bank	DELHI
DHARAMPETH Bank	NAGPUR
M.G. ROAD Bank	BANGALORE
NEHERU PALACE Bank	DELHI
POWAIBank	MUMBAI
VIRAR Bank	MUMBAI
VRCE Bank	NAGPUR
+-----+-----+	

**Table name: customer (cname primary key)**

+-----+-----+	
cname	city
+-----+-----+	
ANIL	KOLKATA
KRANTI	MUMBAI
MADHURI	NAGPUR
MANDAR	PATANA
MEHUL	BARODA
NAREN	MUMBAI
PRAMOD	NAGPUR
SANDIP	SURAT
SHIVANI	MUMBAI
SUNIL	DELHI

**Table name: deposit**

actno(pk)	cname(fk)	bname (fk)	amount	adate
100	ANIL	VRCE BANK	1000.00	1995-03-01
101	SUNIL	AJNI BANK	5000.00	1996-01-04
102	MEHUL	CHANDANI BANK	3500.00	1995-11-17
103	PRAMOD	M.G. ROAD BANK	1200.00	1995-11-17
104	SANDIP	ANDHERI BANK	3000.00	1995-03-27
105	SHIVANI	VIRAR BANK	1000.00	0000-00-00
106	MADHURI	AJNI BANK	2000.00	1995-12-05
107	KRANTI	NEHERU PALACE BANK	5000.00	1995-07-02
108	NAREN	POWAIBANK	7000.00	1995-08-02

**Table name: borrow**

loanno	cname(fk)	bname (fk)	amount
201	ANIL	VRCE BANK	5000
206	MEHUL	AJNI BANK	1000
311	SUNIL	DHARAMPETH BANK	3000
321	MADHURI	ANDHERI BANK	2000
375	PRAMOD	VIRAR BANK	8000
481	KRANTI	NEHERU PALACE BANK	3000

Questions:

1. List Name of Customer Having Living City MUMBAI and Branch City DELHI.

```
1 select C.CNAME,c.city,b.bcity from deposit d inner join bank b
2 on b.bname=d.bname
3 inner join customer c
4 on c.cname=d.cname
5* where c.city='MUMBAI' and b.bcity='DELHI'
SQL> /
```

CNAME	CITY	BCITY
KRANTI	MUMBAI	DELHI

SQL>

2. List Names of Customers who are Depositors and have Same Branch City as that of SUNIL.

```

SQL> ed
Wrote file afiedt.buf

1  select d.cname,b.bcity
2  from deposit d inner join bank b
3  on b.bname=d.bname
4  where b.bcity=(
5  select b.bcity
6  from deposit d inner join bank b
7  on b.bname=d.bname
8  where d.cname='SUNIL'
9* )
SQL> /

```

CNAME	BCITY
ANIL	NAGPUR
SUNIL	NAGPUR
MADHURI	NAGPUR

#### ALTERNATIVE

```

SQL> ed
Wrote file afiedt.buf

1  with cte1 as(
2  select d.cname,d.bname,b.bcity
3  from deposit d inner join bank b
4  on b.bname=d.bname
5  )
6* select * from cte1 where bcity=(select bcity from cte1 where cname='SUNIL')
SQL> /

```

CNAME	BNAME	BCITY
MADHURI	AJNI Bank	NAGPUR
SUNIL	AJNI Bank	NAGPUR
ANIL	VRCE Bank	NAGPUR

3. List LoanNO and Loan City of Borrowers Having the Same Branch as that of Depositors SUNIL.

```

1 with cte1 as (select l.loanno,l.cname,l.bname,b.bcity
2 from borrow l inner join bank b
3 on b.bname=l.bname)
4 select * from cte1 c1
5* where bcity=(select bcity from cte1 where cname='SUNIL' )
6 /

```

LOANNO	CNAME	BNAME	BCITY
206	MEHUL	AJNI Bank	NAGPUR
311	SUNIL	DHARAMPETH Bank	NAGPUR
201	ANIL	VRCE Bank	NAGPUR

4. List LoanNO,Loan City,Account NO and Deposit City of Customers Living in NAGPUR.

```

1 select l.loanno,c.cname,d.actno,d.bname,b.bcity
2 from customer c,deposit d,borrow l, bank b
3 where c.cname=d.cname and l.cname=c.cname AND b.bname=l.bname
4* and c.city ='NAGPUR'
SQL> /

```

LOANNO	CNAME	ACTNO	BNAME	BCITY
321	MADHURI	106	AJNI BANK	MUMBAI
375	PRAMOD	103	M.G. ROAD BANK	MUMBAI

SQL>

5. List Deposit Details and Loan details of Customers in the City where Pramod is Living.

```

1 with cte1 as (select l.loanno,l.cname,l.bname,c.city,d.actno
2 from borrow l,customer c,deposit d
3 where l.cname=c.cname and c.cname=d.cname)
4 select * from cte1
5* where city=(select city from cte1 where cname='PRAMOD')
SQL> /

```

LOANNO	CNAME	BNAME	CITY	ACTNO
375	PRAMOD	VIRAR Bank	NAGPUR	103
321	MADHURI	ANDHERI Bank	NAGPUR	106

6. List Names of Customers who are Depositors and have Same Branch City as that of SUNIL.

```

1 with cte1 as (select d.actno,d.cname,d.bname,b.bcity
2 from deposit d,bank b
3 where d.bname=b.bname)
4 select * from cte1
5* where bcity=(select bcity from cte1 where  cname='SUNIL')
6 /

```

ACTNO	CNAME	BNAME	BCITY
106	MADHURI	AJNI Bank	NAGPUR
101	SUNIL	AJNI Bank	NAGPUR
100	ANIL	VRCE Bank	NAGPUR

7. List Names of Depositors Having Same Living City as that of SHIVANI and Having Deposit City Greater than 2000.

```

1 select d.actno,d.cname,c.city
2 from customer c,deposit d
3 where c.cname=d.cname
4* and city=(select city from customer where cname='SHIVANI')
SQL> /

```

ACTNO	CNAME	CITY
105	SHIVANI	MUMBAI
107	KRANTI	MUMBAI
108	NAREN	MUMBAI

8. List Names of Borrowers Having Deposit Amount Greater than 1000 and Loan Amount Greater than 2000.

```

SQL> ed
Wrote file afiedt.buf

1 with cte1 as (SELECT l.cname,l.amount as lamount,d.amount as damount
2 from borrow l,bank b, deposit d
3 where l.bname=b.bname and b.bname=d.bname)
4 select * from cte1
5* where lamount>2000 and damount>1000
SQL> /

```

CNAME	LAMOUNT	DAMOUNT
KRANTI	3000	5000

9. List Names of Depositors Having the Same Branch as the Branch of SUNIL.

```

1 with cte1 as (select d.actno,d.cname,d.bname
2 from deposit d,customer c
3 where c.cname=d.cname)
4 select * from cte1
5* where bname=(select bname from cte1 where cname='SUNIL')
6 /

```

ACTNO	CNAME	BNAME
101	SUNIL	AJNI Bank
106	MADHURI	AJNI Bank

10. List Names of Borrowers Having Loan Amount Greater than the Loan Amount of ANIL.

```

SQL> select * from borrow
2 where amount>(select amount from borrow where cname='ANIL');

```

LOANNO	CNAME	BNAME	AMOUNT
375	PRAMOD	VIRAR BANK	8000

SQL>

11. List LoanNO,Loan City,Account NO and Deposit City of Customers Having Deposit Branch Located in DELHI.

```

SQL> ED
Wrote file afiedt.buf

1 select l.loanno,d.actno,c.cname,c.city as cust_city,bdeposit.bcity deposit_city, bloan.bcity loan_city
2 from borrow l, deposit d, customer c,bank bdeposit,bank bloan
3 where c.cname=d.cname and c.cname=l.cname
4 and bdeposit.bname=d.bname and bloan.bname=l.bname
5* and bdeposit.bcity='DELHI'
SQL> /

```

LOANNO	ACTNO	CNAME	CUST_CITY	DEPOSIT_CITY	LOAN_CITY
206	102	MEHUL	BARODA	DELHI	NAGPUR
481	107	KRANTI	MUMBAI	DELHI	DELHI

SQL>

12. List LoanNO,Loan City,Account NO,Deposit City,Branch Name,Branch City and Living City of Pramod.

```
SQL> ed
Wrote file afiedt.buf

1 select d.cname cust_name,c.city cust_city,l.loanno, l.bname loan_bank,lbank.bcity loan_city,
2 d.actno,d.bname deposit_bank,dbank.bcity deposit_city
3 from borrow l, customer c, deposit d, bank lbank, bank dbank
4 where l.cname=c.cname and c.cname=d.cname
5 and lbank.bname=l.bname and dbank.bname=d.bname
6* and d.cname='PRAMOD'
SQL> /
```

CUST_NAME	CUST_CITY	LOANNO	LOAN_BANK	LOAN_CITY	ACTNO	DEPOSIT_BANK	DEPOSIT_CITY
PRAMOD	NAGPUR	375	VIRAR BANK	MUMBAI	103	M.G. ROAD BANK	BANGALORE

```
SQL>
```

13. List Deposit Details and Loan details of Customers in the City where Pramod is Living.

```
1 select c.cname,c.city cust_city,d.actno,d.bname,bdeposit.bcity deposit_city,
2 l.loanno,l.bname, bloan.bcity loan_city
3 from deposit d, customer c, borrow l, bank bloan, bank bdeposit
4 where d.cname=c.cname and c.cname=l.cname
5 and d.bname=bdeposit.bname and bloan.bname=l.bname
6 and c.city=(
7 select city from customer where cname='PRAMOD'
8* )
9 /
```

CNAME	CUST_CITY	ACTNO	BNAME	DEPOSIT_CITY	LOANNO	BNAME	LOAN_CITY
MADHURI	NAGPUR	106	AJNI BANK	NAGPUR	321	ANDHERI BANK	MUMBAI
PRAMOD	NAGPUR	103	M.G. ROAD BANK	BANGALORE	375	VIRAR BANK	MUMBAI

```
SQL>
```

14. List Names of Depositors Having balance Greater than 1000 and group by branch name

15. List LoanNO,Loan City,Account NO,Deposit City,Branch Name,Branch City and Living City of Pramod