

ADVANCED DBMS LAB**Experiment No.: 5****Aim**

To familiarize with set operations.

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QUESTION

1. List all the customers who are depositors but not borrowers.
2. List all the customers who are both depositors and borrowers.
3. List all the depositors having deposit in all the branches where Sunil is having Account.
4. List all the customers living in city NAGPUR and having branch city BOMBAY or DELHI.
5. List all the depositors living in city NAGPUR
6. List all the depositors living in the city NAGPUR and having branch in city BOMBAY.
7. List the branch cities of Anil and Sunil.
8. List the customers having deposit greater than 1000 and loan less than 10000.
9. List the cities of depositors having branch VRCE.
10. List the depositors having amount less than 1000 and living in the same city as Anil.
11. List all the cities where branches of Anil and Sunil are locate.
12. List the amount for the depositors living in the city where Anil is living.

PROCEDURE:

1. List all the customers who are depositors but not borrowers.

101 • `SELECT CNAME FROM DEPOSIT WHERE DEPOSIT.CNAME NOT IN (SELECT CNAME FROM BORROW);`

2. List all the customers who are both depositors and borrowers.

102 • `SELECT CNAME FROM DEPOSIT UNION (SELECT CNAME FROM BORROW);`

3. List all the depositors having deposit in all the branches where Sunil is having Account.

103 • `SELECT D1.CNAME FROM DEPOSIT D1 WHERE D1.BNAME IN (SELECT D2.BNAME FROM DEPOSIT D2 WHERE D2.CNAME = 'SUNIL');`

4. List all the customers living in city NAGPUR and having branch city BOMBAY or DELHI.

```
104 • SELECT C1.CNAME FROM CUSTOMER C1,DEPOSIT D1, BRANCH B1 WHERE C1.CITY = 'NAGPUR' AND C1.CNAME = D1.CNAME
105 AND D1.BNAME = B1.BNAME AND B1.CITY IN ('BOMBAY','DELHI');
```

5. List all the depositors living in city NAGPUR

```
106 • SELECT Distinct(CUSTOMER.CNAME) from CUSTOMER,DEPOSIT WHERE City='NAGPUR';
```

6. List all the depositors living in the city NAGPUR and having branch in city BOMBAY.

```
107 • SELECT C1.CNAME FROM CUSTOMER C1,DEPOSIT D1, BRANCH B1 WHERE C1.CITY = 'NAGPUR'
108 AND C1.CNAME = D1.CNAME AND D1.BNAME = B1.BNAME AND B1.CITY IN ('BOMBAY');
```

7. List the branch cities of Anil and Sunil.

```
109 • SELECT B1.CITY FROM DEPOSIT D1, BRANCH B1 WHERE D1.BNAME = B1.BNAME AND D1.CNAME IN ('SUNIL','ANIL');
```

8. List the customers having deposit greater than 1000 and loan less than 10000.

```
110 • SELECT DISTINCT D1.CNAME FROM deposit D1, borrow B1 WHERE D1.AMOUNT>1000 AND B1.AMOUNT<10000;
```

9. List the cities of depositors having branch VRCE.

```
111 • SELECT B1.CITY FROM deposit D1, branch B1 WHERE D1.BNAME=B1.BNAME AND B1.BNAME='VRCE';
```

10. List the depositors having amount less than 1000 and living in the same city as Anil.

```
111 • SELECT D1.CNAME FROM deposit D1,customer C1 WHERE AMOUNT<1000
112 and C1.CITY in (select CNAME from customer where C1.CNAME='ANIL') ;
```

11. List all the cities where branches of Anil and Sunil are locate.

```
115 • SELECT B1.CITY FROM BRANCH B1 WHERE B1.BNAME IN (SELECT D1.BNAME FROM DEPOSIT D1 WHERE D1.CNAME IN ('ANIL','SUNIL'));
```

12. List the amount for the depositors living in the city where Anil is living.

```
116 • SELECT DISTINCT(D1.CNAME),D1.AMOUNT ,C1.CITY FROM deposit D1, CUSTOMER C1, BRANCH B1
117 WHERE D1.CNAME=C1.CNAME AND C1.CITY IN(SELECT C2.CITY FROM customer C2 WHERE C2.CNAME='ANIL');
```

Output Screenshot:

1. List all the customers who are depositors but not borrowers.

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
CNAME			
SANDIP			
SHIVANI			
MINU			

2. List all the customers who are both depositors and borrowers.

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CNAME			
▶	ANIL			
	SUNIL			
	MEHUL			
	MADHURI			
	PRAMOD			
	SANDIP			
	SHIVANI			
	KRANTI			
	MINU			

3. List all the depositors having deposit in all the branches where Sunil is having Account.

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CNAME			
▶	SUNIL			

4. List all the customers living in city NAGPUR and having branch city BOMBAY or DELHI.

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CNAME			
▶	MADHURI			

5. List all the depositors living in city NAGPUR

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CNAME			
▶	PRAMOD			
	MADHURI			

6. List all the depositors living in the city NAGPUR and having branch in city BOMBAY.

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CNAME			

7. List the branch cities of Anil and Sunil.

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CITY			
▶	NAGPUR			

8. List the customers having deposit greater than 1000 and loan less than 10000.

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CNAME			
▶	MEHUL			
	MADHURI			
	PRAMOD			
	SANDIP			
	KRANTI			
	MINU			

9. List the cities of depositors having branch VRCE.

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CITY			
▶	NAGPUR			

10. List the depositors having amount less than 1000 and living in the same city as Anil.

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CNAME			

11. List all the cities where branches of Anil and Sunil are locate.

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CITY			
▶	NAGPUR			

12. List the amount for the depositors living in the city where Anil is living.

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	CNAME	AMOUNT	CITY	
▶	ANIL	1000	CALCUTTA	