

## **ADVANCED DATABASE MANAGEMENT SYSTEM LAB**

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**Roll No:18**

**Batch:B**

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### **Experiment No.: 5**

#### **Aim**

To familiarize with set operations.

#### **Questions**

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 all the cities where branches of Anil and Sunil are locate
11. List the amount for the depositors living in the city where Anil is living

## Output

1.

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

	CNAME
▶	SANDIP
	SHIVANI
	MINU

2.

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

	CNAME
▶	ANIL
	SUNIL
	MEHUL
	MADHURI
	PRAMOD
	SANDIP
	SHIVANI
	KRANTI
	MINU

3.

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

	CNAME
▶	SUNIL

4.

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

	CNAME
▶	MADHURI

5.

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

	CNAME
▶	PRAMOD
	MADHURI

6.

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

	CNAME
--	-------

7.

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

	CITY
▶	NAGPUR

8.

```
SELECT DISTINCT D1.CNAME FROM DEPOSIT D1, BORROW B1 WHERE  
D1.AMOUNT>1000 AND B1.AMOUNT<10000;
```

	CNAME
▶	MEHUL
	MADHURI
	PRAMOD
	SANDIP
	KRANTI
	MINU

9.

```
SELECT B1.CITY FROM DEPOSIT D1, BRANCH B1 WHERE  
D1.BNAME=B1.BNAME AND B1.BNAME='VRCE';
```

	CITY
▶	NAGPUR

10.

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

	CITY
▶	NAGPUR

11.

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

	CNAME	AMOUNT	CITY
▶	ANIL	1000	CALCUTTA