JOMEESH JOSE

ROLL NO : 03

RMCA-B S2

EXPERIMENT NO.6 : 10/05/2021

SET OPERATIONS

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

2. List all the customers who are both depositors and borrowers3. 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

OUTPUT

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

SELECT CNAME FROM DEPOSIT MINUS SELECT CNAME FROM BORROW;

```
SUNIL
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```
mysql> SELECT CNAME FROM DEPOSIT UNION(SELECT CNAME FROM BORROW);
+---------+
| CNAME   |
+---------+
| ANIL    |
| SUNIL   |
| MEHUL   |
| MADHURI |
| PRAMOD  |
| SANDIP  |
| SHIVANI |
| KRANTI  |
| MINU    |
+---------+
9 rows in set (0.36 sec)

mysql> SELECT D1.CNAME FROM DEPOSIT D1 WHERE D1.BNAME IN (SELECT D2.BNAME FROM DEPOSIT D2 WHERE D2.CNAME = 'SUNIL' );
+-------+
| CNAME |
+-------+
| SUNIL |
+-------+
1 row in set (0.14 sec)

mysql> 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 |
+---------+
1 row in set (0.41 sec)
```

```
mysql> SELECT Distinct(CUSTOMER.CNAME) from CUSTOMER,DEPOSIT WHERE City='NAGPUR';
+---------+
| CNAME   |
+---------+
| PRAMOD  |
| MADHURI |
+---------+
2 rows in set (0.00 sec)

mysql> 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');
Empty set (0.00 sec)

mysql> SELECT B1.CITY FROM DEPOSIT D1, BRANCH B1 WHERE D1.BNAME = B1.BNAME AND D1.CNAME IN ('SUNIL' ,'ANIL');
+--------+
| CITY   |
+--------+
| NAGPUR |
| NAGPUR |
+--------+
2 rows in set (0.00 sec)

mysql> SELECT B1.CITY FROM BRANCH B1 WHERE B1.BNAME IN (SELECT D1.BNAME FROM DEPOSIT D1 WHERE D1.CNAME IN ('ANIL','SUNIL'));
+--------+
| CITY   |
+--------+
| NAGPUR |
| NAGPUR |
+--------+
2 rows in set (0.01 sec)
```