**Name: VINEETH P**

**Roll No: 50**

**Batch: BATCH B**

**Date: 06-05-2022**

**ADVANCED DBMS LAB**

**Experiment No.: 6**

**Aim**

To familiarize with JOIN or CARTESIAN PRODUCT

**QUESTION**

1.Give name of customers having living city BOMBAY and branch city NAGPUR

2.Give names of customers having the same living city as their branch city

3.Give names of customers who are borrowers as well as depositors and having city

NAGPUR.

4.Give names of borrowers having deposit amount greater than 1000 and loan amount greater

than 2000.

5.Give names of depositors having the same branch as the branch of Sunil

6.Give names of borrowers having loan amount greater than the loan amount of Pramod

7.Give the name of the customer living in the city where branch of depositor Sunil is located.

8.Give branch city and living city of Pramod

9.Give branch city of Sunil and branch city of Anil

10.Give the living city of Anil and the living city of Sunil

**PROCEDURE**

1. SELECT C1.CNAME,B1.BNAME FROM CUSTOMER AS C1 JOIN BRANCH AS B1 ON C1.CITY='BOMBAY' AND B1.CITY='NAGPUR';

2. SELECT DISTINCT(C1.CNAME) FROM CUSTOMER AS C1 JOIN BRANCH AS B1 ON C1.CITY=B1.CITY;

3. SELECT DISTINCT(C1.CNAME) FROM CUSTOMER AS C1 JOIN BORROW AS B1 JOIN DEPOSIT AS D1 WHERE C1.CNAME=B1.BNAME=D1.CNAME;

4. SELECT DISTINCT( D1.CNAME ) FROM DEPOSIT AS D1 JOIN BORROW AS B1 WHERE D1.AMOUNT>1000 AND B1.AMOUNT>2000;

5. SELECT DISTINCT(C1.CNAME) FROM CUSTOMER AS C1 JOIN BRANCH AS B1 WHERE B1.CITY IN (SELECT CITY FROM BRANCH WHERE CNAME='SUNIL');

6. SELECT DISTINCT(C1.CNAME) FROM CUSTOMER AS C1 JOIN BORROW AS B1 WHERE B1.AMOUNT > (SELECT AMOUNT FROM BORROW WHERE CNAME='PRAMOD');

7. SELECT C.CNAME FROM CUSTOMER C WHERE C.CITY IN (SELECT B.CITY FROM BRANCH B WHERE B.BNAME IN (SELECT D.BNAME FROM DEPOSIT D WHERE D.CNAME='SUNIL'));

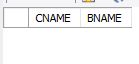
8. SELECT D1.bname,C1.CITY FROM CUSTOMER C1, DEPOSIT D1,BRANCH B1 WHERE C1.CNAME = 'PRAMOD' AND C1.CNAME = D1.CNAME AND D1.BNAME = B1.BNAME;

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

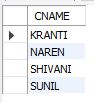
10. SELECT C1.CNAME, C1.CITY FROM CUSTOMER C1 WHERE C1.CNAME ='ANIL' OR C1.CNAME = 'SUNIL';

**Output Screenshot**

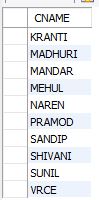
**1**



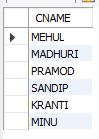
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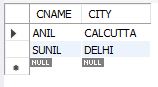
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