ADVANCED DBMS LAB

Experiment No.: 6

Name: Silvia Thomas

Roll No:38

Batch: B

Date: 06-05-2022

<u>Aim</u>

To familiarize with join or Cartesian product

Questions

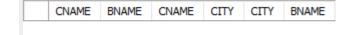
- 1. Give name of customers having living city BOMBAY and branch city NAGPUR
- 2. Give names of customers having the same living city as their branch city
- 3. Give names of customers who are borrowers as well as depositors and having city NAGPUR.
- 4. Give names of borrowers having deposit amount greater 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

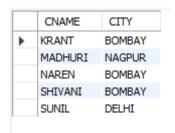
Commands:

1.use bank1:

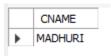
SELECT D1.CNAME,D1.BNAME,C1.CNAME,C1.CITY,B1.CITY,B1.BNAME FROM DEPOSIT D1,CUSTOMER C1,BRANCH B1 WHERE C1.CITY = 'BOMBAY' AND B1.CITY = 'NAGPUR' AND D1.CNAME = C1.CNAME AND D1.BNAME = B1.BNAME;



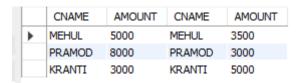
2. SELECT distinct(customer.CNAME), BRANCH.CITY FROM BRANCH, customer WHERE BRANCH.city = customer.city;



3. SELECT C1.CNAME FROM CUSTOMER C1,DEPOSIT D1,BORROW B1 WHERE C1.CITY='NAGPUR' AND C1.CNAME=D1.CNAME AND D1.CNAME = B1.CNAME;



4. SELECT BR1.CNAME, BR1.AMOUNT, D1.CNAME, D1.AMOUNT FROM BORROW BR1,DEPOSIT D1 WHERE D1.CNAME = BR1.CNAME AND D1.AMOUNT > 1000 AND BR1.AMOUNT > 2000;



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



6. SELECT BR1.CNAME,BR1.AMOUNT FROM BORROW BR1 WHERE BR1.AMOUNT > ALL (SELECT BR2.AMOUNT FROM BORROW BR2 WHERE BR2.CNAME = 'PRAMOD');



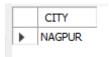
7. SELECT C.CNAME FROM CUSTOMER C WHERE C.CITY IN (SELECT B.CITY FROM BRANCH B WHERE B.BNAME IN (SELECT D.BNAME FROM DEPOSIT D WHERE D.CNAME='SUNIL'));



8. SELECT B1.CITY, C1.CITY FROM BRANCH B1,CUSTOMER C1, DEPOSIT D1 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';

