

## **ADVANCED DATABASE MANAGEMENT SYSTEM LAB**

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**Roll No:18**

**Batch: B**

**Date:6/05/2022**

### **Experiment No.: 6**

#### **Aim**

To familiarize with join or cartesian product

#### **Procedure**

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

## Output Screenshot

1. 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;

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

	CNAME	CITY
▶	KRANTI	BOMBAY
	MADHURI	NAGPUR
	NAREN	BOMBAY
	PRAMOD	NAGPUR
	SHIVANI	BOMBAY
	SUNIL	DELHI

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;

	CNAME
▶	MADHURI
	PRAMOD

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;

	CNAME	AMOUNT	CNAME	AMOUNT
▶	MEHUL	5000	MEHUL	3500
	PRAMOD	8000	PRAMOD	3000
	KRANTI	3000	KRANTI	5000

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

	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');

	CNAME	AMOUNT
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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'));

	CNAME
*	NULL

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;

	CITY	CITY
▶	BANGALORE	NAGPUR

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

	CITY
▶	NAGPUR

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

	CNAME	CITY
▶	ANIL	CALCUTTA
	SUNIL	DELHI
*	NULL	NULL