ADVANCED DBMS LAB

Experiment No.: 6

Aim:

To familiarize with join or cartesian product.

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Roll No: 10 Batch: MCA

Date: 06/05/2022

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

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

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

```
123 • SELECT distinct(customer.CNAME), BRANCH.CITY FROM BRANCH,
124 customer WHERE BRANCH.city = customer.city;
```

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

```
125 • SELECT C1.CNAME FROM CUSTOMER C1,DEPOSIT D1,BORROW B1 WHERE
126 C1.CITY='NAGPUR' AND C1.CNAME=D1.CNAME AND D1.CNAME = B1.CNAME;
```

4. Give names of borrowers having deposit amount greater than 1000 and loan amount greater than 2000.

```
127 • SELECT BR1.CNAME, BR1.AMOUNT, D1.CNAME, D1.AMOUNT FROM
128 BORROW BR1,DEPOSIT D1 WHERE D1.CNAME = BR1.CNAME AND D1.AMOUNT >
129 1000 AND BR1.AMOUNT > 2000;
```

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

```
130 • SELECT D1.CNAME FROM DEPOSIT D1 WHERE D1.BNAME IN (SELECT

D2.BNAME FROM DEPOSIT D2 WHERE D2.CNAME = 'SUNIL');
```

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

```
SELECT BR1.CNAME, BR1.AMOUNT FROM BORROW BR1 WHERE

BR1.AMOUNT > ALL (SELECT BR2.AMOUNT FROM BORROW BR2 WHERE

BR2.CNAME = 'PRAMOD');
```

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

```
135 • SELECT C.CNAME FROM CUSTOMER C WHERE C.CITY IN (SELECT B.CITY

136 FROM BRANCH B WHERE B.BNAME IN (SELECT D.BNAME FROM DEPOSIT D

WHERE D.CNAME='SUNIL'));
```

8. Give branch city and living city of Pramod.

```
138 • SELECT B1.CITY , C1.CITY FROM BRANCH B1, CUSTOMER C1, DEPOSIT D1

139 WHERE C1.CNAME = 'PRAMOD' AND C1.CNAME = D1.CNAME AND D1.BNAME =

140 B1.BNAME;
```

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

```
141 • SELECT B1.CITY FROM DEPOSIT D1, BRANCH B1 WHERE D1.BNAME =

142 B1.BNAME AND D1.CNAME IN ('SUNIL', 'ANIL');
```

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

```
143 • SELECT C1.CNAME, C1.CITY FROM CUSTOMER C1 WHERE C1.CNAME =

144 'ANIL' OR C1.CNAME = 'SUNIL';
```

Output Screenshot:

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



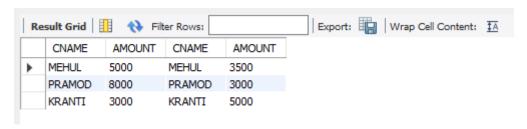
2. Give names of customers having the same living city as their branch city.



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.



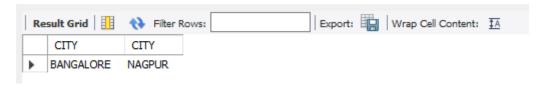
6. Give names of borrowers having loan amount greater than the loan amount of Pramod.



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.

