ADVANCED DBMS LAB

Experiment No.: 5

Name : Swetha Prakash

Roll No : 46

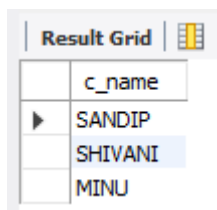**Batch :** B

Date : 19-04-2022

Aim

To familiarize with set operations.

Commands

1. List all the customers who are depositors but not borrowers.
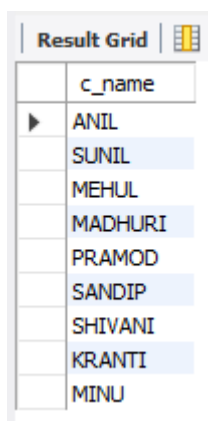
SELECT c_name FROM deposit WHERE c_name NOT IN (SELECT c_name FROM borrow);

c_name
SANDIP
SHIVANI
MINU

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

SELECT c_name FROM deposit UNION (SELECT c_name FROM borrow);

c_name
ANIL
SUNIL
MEHUL
MADHURI
PRAMOD
SANDIP
SHIVANI
KRANTI
MINU

3. List all the depositors having deposit in all the branches where Sunil is having Account

SELECT D1.c_name FROM deposit D1 WHERE D1.b_name IN (SELECT D2.b_name FROM deposit D2 WHERE D2.c_name = 'SUNIL');

c_name
▶ SUNIL

4. List all the customers living in city NAGPUR and having branch city BOMBAY or DELHI

SELECT C1.c_name FROM customer C1,deposit D1, branch B1 WHERE C1.city = 'NAGPUR' AND C1.c_name = D1.c_name AND D1.b_name = B1.b_name AND B1.city IN ('BOMBAY','DELHI');

c_name
▶ MADHURI

4. List all the depositors living in city NAGPUR

SELECT DISTINCT(customer.c_name) from customer,deposit WHERE city='NAGPUR';

c_name
▶ PRAMOD
MADHURI

5. List all the depositors living in the city NAGPUR and having branch in city BOMBAY

SELECT C1.c_name FROM customer C1,deposit D1, branch B1 WHERE C1.city = 'NAGPUR' AND C1.c_name = D1.c_name AND D1.b_name = B1.b_name AND B1.city IN ('BOMBAY');

c_name

6. List the branch cities of Anil and Sunil

SELECT B1.city FROM deposit D1, branch B1 WHERE D1.b_name = B1.b_name AND D1.c_name IN ('SUNIL' ,'ANIL');

Result Grid	
city
▶ NAGPUR

8. List the customers having deposit greater than 1000 and loan less than 10000.

SELECT DISTINCT D1.c_name FROM deposit D1, borrow B1 WHERE D1.amount>1000 AND B1.amount<10000;

Result Grid	
c_name
▶ MEHUL
MADHURI
PRAMOD
SANDIP
KRANTI
MINU

9. List the cities of depositors having branch VRCE.

SELECT B1.city FROM deposit D1, branch B1 WHERE D1.BNAME=B1.b_name AND B1.b_name='VRCE';

Result Grid	
city
▶ NAGPUR

10. List the depositors having amount less than 1000 and living in the same city as Anil

SELECT D1.c_name FROM deposit D1,customer C1 , customer C2 WHERE C1.CITY = C2.CITY AND C2.c_name = 'ANIL' AND C1.c_name = D1.c_name AND D1.amount < 1000;

CNAME
▶ SUNIL
SUNIL
SUNIL
SUNIL
SUNIL
SUNIL
SUNIL
SUNIL
SUNIL

11. List all the cities where branches of Anil and Sunil are locate

SELECT B1.city FROM branch B1 WHERE B1.b_name IN (SELECT D1.b_name FROM deposit D1 WHERE D1.c_name IN ('ANIL','SUNIL'));

city
▶ NAGPUR

12. List the amount for the depositors living in the city where Anil is living

SELECT DISTINCT(D1.c_name),D1.amount ,C1.city FROM deposit D1, customer C1, branch B1 WHERE D1.c_name=C1.c_name AND C1.city IN(SELECT C2.city FROM customer C2 WHERE C2.c_name='ANIL');

c_name	amount	city
▶ ANIL	1000	CALCUTTA