ADVANCED DATABASE MANAGEMENT STYSTEMLAB

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Roll No:18

Batch:B

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Experiment No.: 5

<u>Aim</u>

To familiarize with set operations.

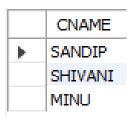
Questions

- 1. List all the customers who are depositors but not borrowers.
- 2. List all the customers who are both depositors and borrowers
- 3. List all the depositors having deposit in all the branches where Sunil is having Account
- 4. List all the customers living in city NAGPUR and having branch city BOMBAY
- or DELHI
- 5. List all the depositors living in city NAGPUR
- 6. List all the depositors living in the city NAGPUR and having branch in city BOMBAY
- 7. List the branch cities of Anil and Sunil
- 8. List the customers having deposit greater than 1000 and loan less than 10000.
- 9. List the cities of depositors having branch VRCE.
- 10. List all the cities where branches of Anil and Sunil are locate
- 11. List the amount for the depositors living in the city where Anil is living

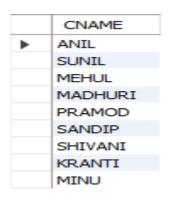
Output

1.

SELECT CNAME FROM DEPOSIT WHERE CNAME NOT IN (SELECT CNAME FROM BORROW);



2. SELECT CNAME FROM DEPOSIT UNION (SELECT CNAME FROM BORROW);



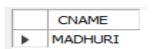
3.

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

	CNAME	
>	SUNIL	

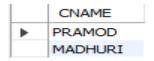
4.

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



5.

SELECT Distinct(CUSTOMER.CNAME) FROM CUSTOMER, DEPOSIT WHERE City='NAGPUR';



6

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



7.

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

	CITY	
•	NAGPUR	

8. SELECT DISTINCT D1.CNAME FROM DEPOSIT D1, BORROW B1 WHERE D1.AMOUNT>1000 AND B1.AMOUNT<10000;

	CNAME		
>	MEHUL		
	MADHURI		
	PRAMOD		
	SANDIP		
	KRANTI		
	MINU		

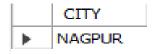
9.

SELECT B1.CITY FROM DEPOSIT D1, BRANCH B1 WHERE D1.BNAME=B1.BNAME AND B1.BNAME='VRCE';

	CITY	
•	NAGPUR	

10.

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



11.

SELECT DISTINCT(D1.CNAME),D1.AMOUNT ,C1.CITY FROM DEPOSIT D1, CUSTOMER C1, BRANCH B1 WHERE D1.CNAME=C1.CNAME AND C1.CITY IN(SELECT C2.CITY FROM CUSTOMER C2 WHERE C2.CNAME='ANIL');

	CNAME	AMOUNT	CITY
•	ANIL	1000	CALCUTTA