

/*EXPERIMENT NO.6 : SET OPERATIONS*/

/*1. LIST ALL THE CUSTOMERS WHO ARE DEPOSITORS BUT NOT BORROWERS.*/

SELECT CNAME FROM DEPOSIT MINUS SELECT CNAME FROM BORROW;

/*2. LIST ALL THE CUSTOMERS WHO ARE BOTH DEPOSITORS AND BORROWERS*/

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

/*3. LIST ALL THE DEPOSITORS HAVING DEPOSIT IN ALL THE BRANCHES WHERE SUNIL IS HAVING ACCOUNT*/

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

/*4. LIST ALL THE CUSTOMERS LIVING IN CITY NAGPUR AND HAVING BRANCH CITY BOMBAY OR DELHI*/

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. LIST ALL THE DEPOSITORS LIVING IN CITY NAGPUR*/

SELECT DISTINCT(CUSTOMER.CNAME) FROM CUSTOMER,DEPOSIT WHERE CITY='NAGPUR';

/*6. LIST ALL THE DEPOSITORS LIVING IN THE CITY NAGPUR AND HAVING BRANCH IN CITY BOMBAY*/

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. LIST THE BRANCH CITIES OF ANIL AND SUNIL*/

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

/*11. LIST ALL THE CITIES WHERE BRANCHES OF ANIL AND SUNIL ARE LOCATED*/

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