**Experiment 4**

1. List all the customers who are depositors but not borrowers.

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

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

SELECT CNAME FROM BORROW INTERSECT SELECT CNAME FROM DEPOSIT;

1. List all the depositors having deposit in all the branches where SUNIL is having Account

SELECT CNAME FROM DEPOSIT WHERE BNAME IN (SELECT BNAME FROM DEPOSIT WHERE CNAME = 'SUNIL') GROUP BY CNAME HAVING COUNT (DISTINCT BNAME) = (SELECT COUNT (DISTINCT BNAME) FROM DEPOSIT WHERE CNAME = 'SUNIL');

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

SELECT DISTINCT CNAME FROM DEPOSIT d JOIN CUSTOMER c ON d.CNAME = c.CNAME JOIN BRANCH b ON d.BNAME = b.BNAME WHERE c.CITY = 'NAGPUR' AND b.CITY IN ('BOMBAY', 'DELHI');

1. List all the depositors living in city NAGPUR

SELECT DISTINCT d.CNAME FROM DEPOSIT d JOIN CUSTOMER c ON d.CNAME = c.CNAME WHERE c.CITY = 'NAGPUR';

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

SELECT DISTINCT d.CNAME FROM DEPOSIT d JOIN CUSTOMER c ON d.CNAME = c.CNAME JOIN BRANCH b ON d.BNAME = b.BNAME WHERE c.CITY = 'NAGPUR' AND b.CITY = 'BOMBAY';

1. List the branch cities of ANIL and SUNIL

SELECT CITY FROM BRANCH WHERE BNAME IN (SELECT BNAME FROM DEPOSIT WHERE CNAME = 'ANIL') UNION SELECT CITY FROM BRANCH WHERE BNAME IN (SELECT BNAME FROM DEPOSIT WHERE CNAME = 'SUNIL');

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

SELECT DISTINCT d.CNAME FROM DEPOSIT d JOIN BORROW b ON d.CNAME = b.CNAME WHERE d.AMOUNT > 1000 AND b.AMOUNT < 10000;

1. List the cities of depositors having branch VRCE.

SELECT DISTINCT c.CITY FROM DEPOSIT d JOIN CUSTOMER c ON d.CNAME = c.CNAME JOIN BRANCH b ON d.BNAME = b.BNAME WHERE b.BNAME = 'VRCE';

1. List the depositors having amount less than 1000 and living in the same city as ANIL

SELECT DISTINCT d.CNAME FROM DEPOSIT d JOIN CUSTOMER c ON d.CNAME = c.CNAME JOIN BRANCH b ON d.BNAME = b.BNAME WHERE d.AMOUNT < 1000 AND c.CITY = (SELECT CITY FROM CUSTOMER WHERE CNAME = 'ANIL');

1. List all the cities where branches of ANIL and SUNIL are locate

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

1. List the amount for the depositors living in the city where ANIL is living

SELECT d.AMOUNT FROM DEPOSIT d JOIN CUSTOMER c ON d.CNAME = c.CNAME WHERE c.CITY = (SELECT CITY FROM CUSTOMER WHERE CNAME = 'ANIL');