

EXPERIMENT NO.: 4

To familiarize with set operations

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

SELECT CNAME FROM deposit WHERE CNAME NOT IN (SELECT CNAME FROM borrow);

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
CNAME			
SANDIP			
SHIVANI			
MINU			

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

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

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
CNAME			
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.CNAME FROM DEPOSIT D1 WHERE D1.BNAME IN (SELECT D2.BNAME FROM DEPOSIT D2 WHERE D2.CNAME = 'SUNIL');

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
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');

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
CNAME			
MADHURI			

4. List all the depositors living in city NAGPUR

SELECT DISTINCT(CUSTOMER.CNAME) from CUSTOMER,DEPOSIT WHERE
City='NAGPUR';

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
CNAME			
PRAMOD			
MADHURI			

5. 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');

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
CNAME			

6. 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');

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
CITY			
NAGPUR			

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

```
SELECT DISTINCT D1.CNAME FROM deposit D1, borrow B1 WHERE
D1.AMOUNT>1000 AND B1.AMOUNT<10000;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
CNAME			
MEHUL			
MADHURI			
PRAMOD			
SANDIP			
KRANTI			
MINU			

8. List the cities of depositors having branch VRCE.

```
SELECT B1.CITY FROM deposit D1, branch B1 WHERE D1.BNAME=B1.BNAME AND
B1.BNAME='VRCE';
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	CITY
▶	NAGPUR

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

```
SELECT D1.CNAME FROM deposit D1, customer C1 WHERE AMOUNT<1000 AND C1.CITY=(C1.CNAME='ANIL');
```

[illegible]

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

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

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	CITY				
▶	NAGPUR				

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

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	CNAME	AMOUNT	CITY		
▶	ANIL	1000	CALCUTTA		