

EXPERIMENT NO. 5

AIM

To familiarize with set operations

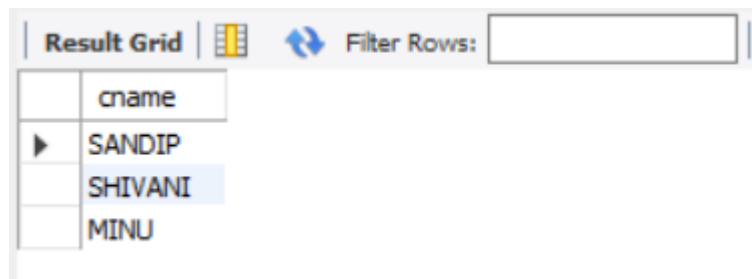
Questions

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 the depositors having amount less than 1000 and living in the same city as Anil
11. List all the cities where branches of Anil and Sunil are locate
12. List the amount for the depositors living in the city where Anil is living

OUTPUT

1. mysql> SELECT CNAME FROM DEPOSIT WHERE CNAME NOT IN (SELECT CNAME FROM BORROW);

Empty set (0.00 sec)



	cname
▶	SANDIP
	SHIVANI
	MINU

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

CNAME
ANIL
SUNIL
MEHUL
MADHURI
PRAMOD
SANDIP
SHIVANI
KRANTI
NAREN



9 rows in set (0.01 sec)

Result Grid		Filter Rows: <input type="text"/>	
	CNAME		
▶	ANIL		
	SUNIL		
	MEHUL		
	MADHURI		
	PRAMOD		
	SANDIP		
	SHIVANI		
	KRANTI		
	MINU		

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

CNAME
SUNIL



1 row in set (0.00 sec)

Result Grid			Filter Rows: <input type="text"/>
	CNAME		
▶	SUNIL		

4. mysql> 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');

CNAME
MADHURI

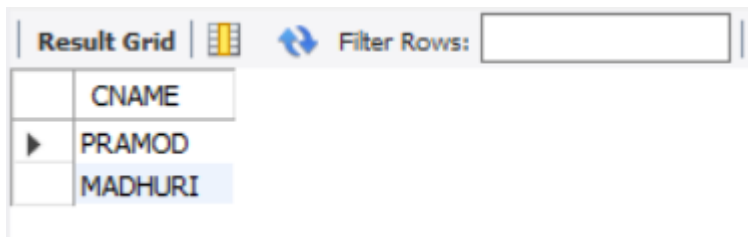
1 row in set (0.01 sec)

Result Grid			Filter Rows: <input type="text"/>
	CNAME		
▶	MADHURI		

5. mysql> SELECT Distinct(CUSTOMER.CNAME) from CUSTOMER,DEPOSIT WHERE City='NAGPUR';

CNAME
PRAMOD
MADHURI

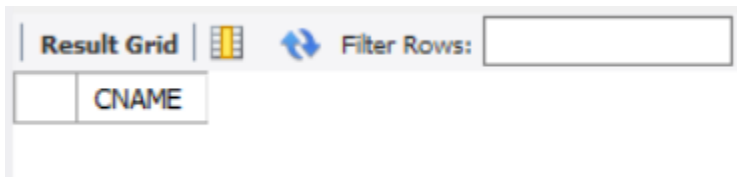
2 rows in set (0.00 sec)



CNAME
PRAMOD
MADHURI

6. mysql> 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');

Empty set (0.00 sec)






CNAME

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

CITY
NAGPUR
NAGPUR

2 rows in set (0.00 sec)

Result Grid			Filter Rows: <input type="text"/>
	CITY		
	NAGPUR		

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

CNAME
SUNIL
MEHUL
MADHURI
PRAMOD
SANDIP
KRANTI
NAREN

7 rows in set (0.00 sec)

Result Grid		Filter Rows:
	CNAME	
▶	MEHUL	
	MADHURI	
	PRAMOD	
	SANDIP	
	KRANTI	
	MINU	

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

CITY
NAGPUR

1 row in set (0.00 sec)

Result Grid		Filter Rows:
	CITY	
▶	NAGPUR	

10. mysql> SELECT D1.CNAME FROM DEPOSIT D1,CUSTOMER C1 , CUSTOMER C2 WHERE C1.CITY = C2.CITY AND C2.CNAME = 'ANIL' AND C1.CNAME = D1.CNAME AND D1.AMOUNT < 1000;

Empty set, 10 warnings (0.00 sec)

Result Grid		Filter Rows:
	CNAME	

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

CITY
NAGPUR
NAGPUR

2 rows in set (0.00 sec)



Result Grid	Filter Rows:
CITY	
▶ NAGPUR	

12. mysql> 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	1000.00	CULCUTTA

1 row in set (0.00 sec)

Result Grid

Filter Rows:

	CNAME	AMOUNT	CITY
▶	ANIL	1000	CALCUTTA