

## ADVANCED DBMS LAB

### Experiment No.: 5

#### Aim

To familiarize with set operations.

**Name :** Susan Sebastian

**Roll No :** 45

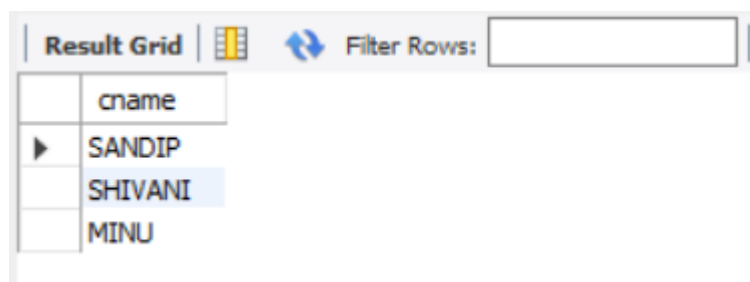
**Batch :** B

**Date :** 19-04-2022

#### Commands

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

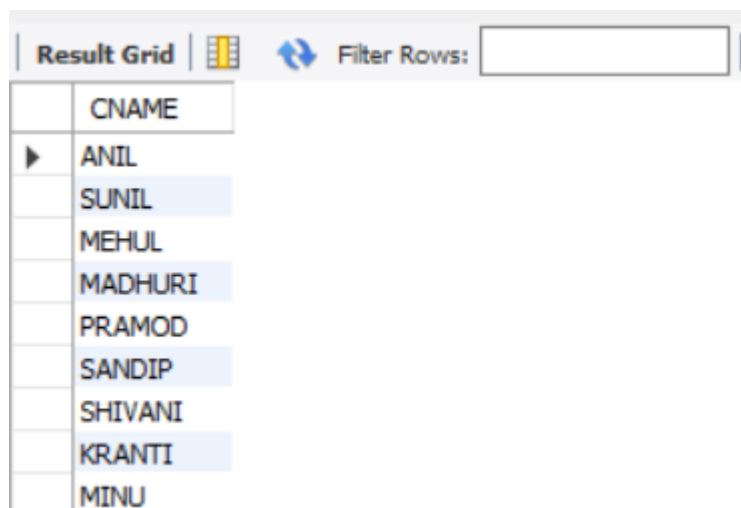
```
SELECT c_name FROM deposit WHERE c_name NOT IN (SELECT c_name  
FROM borrow);
```



	cname
▶	SANDIP
	SHIVANI
	MINU

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

```
SELECT c_name FROM deposit UNION (SELECT c_name FROM borrow);
```



	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.c_name FROM deposit D1 WHERE D1.b_name IN (SELECT D2.b_name FROM deposit D2 WHERE D2.c_name = 'SUNIL');
```

Result Grid		Filter Rows:	
	CNAME		
▶	SUNIL		

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

```
SELECT C1.c_name FROM customer C1, deposit D1, branch B1 WHERE C1.city = 'NAGPUR' AND C1.c_name = D1.c_name AND D1.b_name = B1.b_name AND B1.city IN ('BOMBAY','DELHI');
```

Result Grid		Filter Rows:	
	CNAME		
▶	MADHURI		

### 5. List all the depositors living in city NAGPUR

```
SELECT DISTINCT(customer.c_name) from customer, deposit WHERE city='NAGPUR';
```

Result Grid		Filter Rows:	
	CNAME		
▶	PRAMOD		
	MADHURI		

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

```
SELECT C1.c_name FROM customer C1, deposit D1, branch B1 WHERE C1.city = 'NAGPUR' AND C1.c_name = D1.c_name AND D1.b_name = B1.b_name AND B1.city IN ('BOMBAY');
```

Result Grid		Filter Rows:	
	CNAME		

**7. List the branch cities of Anil and Sunil**

```
SELECT B1.city FROM deposit D1, branch B1 WHERE D1.b_name =
B1.b_name AND D1.c_name IN ('SUNIL' , 'ANIL');
```

Result Grid	Filter Rows:
CITY	
▶ NAGPUR	

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

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

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

**9. List the cities of depositors having branch VRCE.**

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

Result Grid	Filter Rows:
CITY	
▶ NAGPUR	

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

```
SELECT D1.c_name FROM deposit D1, customer C1 , customer C2 WHERE
C1.CITY = C2.CITY AND C2.c_name = 'ANIL' AND C1.c_name = D1.c_name
AND D1.amount < 1000;
```

Result Grid		Filter Rows:	
CNAME			

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

```
SELECT B1.city FROM branch B1 WHERE B1.b_name IN (SELECT
D1.b_name FROM deposit D1 WHERE D1.c_name IN ('ANIL','SUNIL'));
```

Result Grid		Filter Rows:	
CITY			
▶	NAGPUR		

### 12. List the amount for the depositors living in the city where Anil is living

```
SELECT DISTINCT(D1.c_name),D1.amount ,C1.city FROM deposit D1,
customer C1, branch B1 WHERE D1.c_name=C1.c_name AND C1.city
IN(SELECT C2.city FROM customer C2 WHERE C2.c_name='ANIL');
```

Result Grid		Filter Rows:	
CNAME	AMOUNT	CITY	
▶	ANIL	1000	CALCUTTA