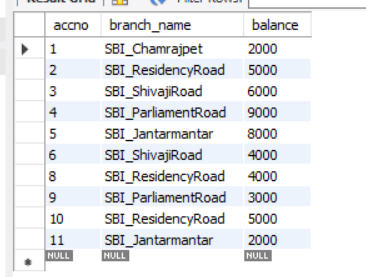
**LAB PROGRAM 2 (BANK DATABASE) Name : Tarun Sri Ram**

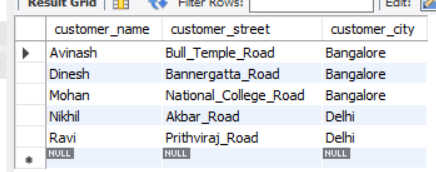
**USN:1BM19CS171**

**Queries:**

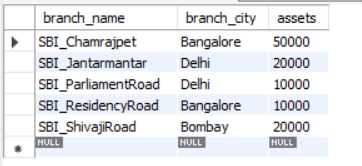
|  |
| --- |
| create database bank; |
|  | use bank; |
|  |  |
|  | create table branch ( |
|  | branch\_name varchar(25), |
|  | branch\_city varchar(15), |
|  | assets int, |
|  | primary key (branch\_name) |
|  | ); |
|  |  |
|  | create table bank\_account ( |
|  | accno int, |
|  | branch\_name varchar(25), |
|  | balance int, |
|  | primary key (accno), |
|  | foreign key (branch\_name) references branch(branch\_name) |
|  | ); |
|  |  |
|  | create table bank\_customer ( |
|  | customer\_name varchar(10), |
|  | customer\_street varchar(25), |
|  | customer\_city varchar(15), |
|  | primary key (customer\_name) |
|  | ); |
|  |  |
|  | create table depositer ( |
|  | customer\_name varchar(10), |
|  | accno int, |
|  | primary key(customer\_name, accno), |
|  | foreign key (customer\_name) references bank\_customer(customer\_name), |
|  | foreign key (accno) references bank\_account(accno) |
|  | ); |
|  |  |
|  | create table loan ( |
|  | loan\_number int, |
|  | branch\_name varchar(25), |
|  | amount int, |
|  | primary key (loan\_number), |
|  | foreign key (branch\_name) references branch(branch\_name) |
|  | ); |
|  |  |
|  | insert into branch values('SBI\_Chamrajpet', 'Bangalore', 50000); |
|  | insert into branch values('SBI\_ResidencyRoad', 'Bangalore', 10000); |
|  | insert into branch values('SBI\_ShivajiRoad', 'Bombay', 20000); |
|  | insert into branch values('SBI\_ParliamentRoad', 'Delhi', 10000); |
|  | insert into branch values('SBI\_Jantarmantar', 'Delhi', 20000); |
|  | commit; |
|  |  |
|  | insert into bank\_account values(1, 'SBI\_Chamrajpet', 2000); |
|  | insert into bank\_account values(2, 'SBI\_ResidencyRoad', 5000); |
|  | insert into bank\_account values(3, 'SBI\_ShivajiRoad', 6000); |
|  | insert into bank\_account values(4, 'SBI\_ParliamentRoad', 9000); |
|  | insert into bank\_account values(5, 'SBI\_Jantarmantar', 8000); |
|  | insert into bank\_account values(6, 'SBI\_ShivajiRoad', 4000); |
|  | insert into bank\_account values(8, 'SBI\_ResidencyRoad', 4000); |
|  | insert into bank\_account values(9, 'SBI\_ParliamentRoad', 3000); |
|  | insert into bank\_account values(10, 'SBI\_ResidencyRoad', 5000); |
|  | insert into bank\_account values(11, 'SBI\_Jantarmantar', 2000); |
|  | commit; |
|  |  |
|  | insert into bank\_customer values ('Avinash', 'Bull\_Temple\_Road', 'Bangalore'); |
|  | insert into bank\_customer values ('Dinesh', 'Bannergatta\_Road', 'Bangalore'); |
|  | insert into bank\_customer values ('Mohan', 'National\_College\_Road', 'Bangalore'); |
|  | insert into bank\_customer values ('Nikhil', 'Akbar\_Road', 'Delhi'); |
|  | insert into bank\_customer values ('Ravi', 'Prithviraj\_Road', 'Delhi'); |
|  | commit; |
|  |  |
|  | insert into depositer values('Avinash', 1); |
|  | insert into depositer values('Dinesh', 2); |
|  | insert into depositer values('Nikhil', 4); |
|  | insert into depositer values('Ravi', 5); |
|  | insert into depositer values('Avinash', 8); |
|  | insert into depositer values('Nikhil', 9); |
|  | insert into depositer values('Dinesh', 10); |
|  | insert into depositer values('Nikhil', 11); |
|  | commit; |
|  |  |
|  | insert into loan values(1, 'SBI\_Chamrajpet', 1000); |
|  | insert into loan values(2, 'SBI\_ResidencyRoad', 2000); |
|  | insert into loan values(3, 'SBI\_ShivajiRoad', 3000); |
|  | insert into loan values(4, 'SBI\_ParliamentRoad', 4000); |
|  | insert into loan values(5, 'SBI\_Jantarmantar', 5000); |
|  | commit; |
|  |  |
|  |
|  |
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|  |
|  |
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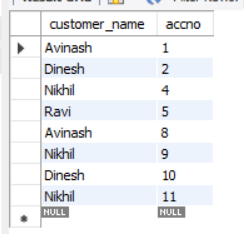
Bank Account Table



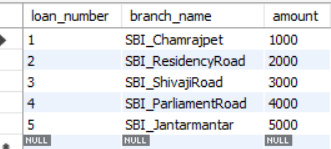
Bank Customer Table



Branch Table

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Depositor Table



Loan Table

**Query 3 :**

use bank;

select distinct c.customer\_name

from bank\_customer c,bank\_account b

where exists(select d.customer\_name,count(d.customer\_name)

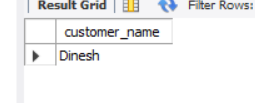
from depositer d,bank\_account ba

where ba.accno = d.accno and

c.customer\_name = d.customer\_name and ba.branch\_name = 'SBI\_ResidencyRoad'

group by d.customer\_name having count(d.customer\_name)>=2);

**Output:**

****

**Query 4:**

use bank;

select d.customer\_name from depositer d,branch b,bank\_account a

where b.branch\_name=a.branch\_name

AND a.accno=d.accno

and branch\_city='Delhi'

group by d.customer\_name

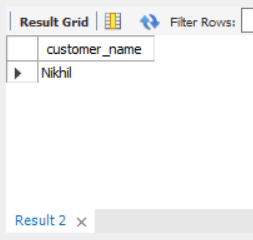
HAVING COUNT(distinct b.branch\_name)=(

SELECT COUNT(branch\_name)

FROM branch

WHERE branch\_city='Delhi');

**Output:**

****

**Query 5:**

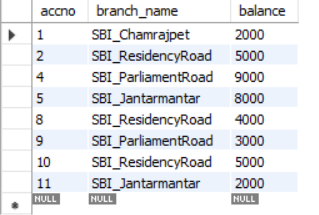
delete from bank\_account

where branch\_name in

(select branch\_name from branch where branch\_city = 'Bombay');

select \* from bank\_account;

**Output:**

****