

**CODE:**

```
create database 246_Bank;
```

```
use 246_Bank;
```

```
create table branch(
```

```
branch_name varchar(30) primary key,
```

```
branch_city varchar(20),
```

```
assets real);
```

```
create table bank_account(
```

```
acc_no int primary key,
```

```
branch_name varchar(30),
```

```
balance real,
```

```
foreign key(branch_name) references branch(branch_name) on delete cascade);
```

```
create table bank_customer(
```

```
customer_name varchar(30) primary key,
```

```
customer_street varchar(30),
```

```
customer_city varchar(30));
```

```
create table depositer(
```

```
customer_name varchar(30),
```

```
acc_no int,
```

```
foreign key(customer_name) references bank_customer(customer_name) on delete cascade,
```

```
foreign key(acc_no) references bank_account(acc_no) on delete cascade);
```

```
create table loan(
```

```
loan_number int,
```

```
branch_name varchar(30),
```

```
amount real,
```

```
foreign key(branch_name) references branch(branch_name) on delete cascade);
```

```
insert into branch values('SBI_Chamrajpet','Bangalore',50000),
('SBI_ResidencyRoad','Bangalore',10000),
('SBI_ShivajiRoad','Bombay',20000),
('SBI_ParliamentRoad','Delhi',10000),
('SBI_JantarMantar','Delhi',20000);
```

```
insert into bank_account values(1,'SBI_ResidencyRoad',2000),
(2,'SBI_ResidencyRoad',5000),
(3,'SBI_ShivajiRoad',6000),
(4,'SBI_ParliamentRoad',9000),
(5,'SBI_JantarMantar',8000);
```

```
insert into bank_customer values('Avinash','Bull_Temple_Road','Bangalore'),
('Dinesh','Bannerghatta_Road','Bangalore'),
('Mohan','NationalCollege_Road','Bangalore'),
('Nikil','Akbar_Road','Delhi'),
('Ravi','Prithviraj_Road','Delhi');
```

```
insert into depositor values('Dinesh',1),
('Dinesh',2),
('Mohan',3),
('Nikil',4),
('Ravi',5);
```

```
insert into loan values(1,'SBI_Chamrajpet',1000),
(2,'SBI_ResidencyRoad',2000),
(3,'SBI_ShivajiRoad',3000),
(4,'SBI_ParliamentRoad',4000),
(5,'SBI_JantarMantar',5000);
```

```

select customer_name, count(*), branch_name
from depositer d inner join bank_account b
on d.acc_no = b.acc_no
group by customer_name, branch_name
having count(*) >=2;

```

```

select branch_name, assets/1000000 assets_in_lakhs from branch;

```

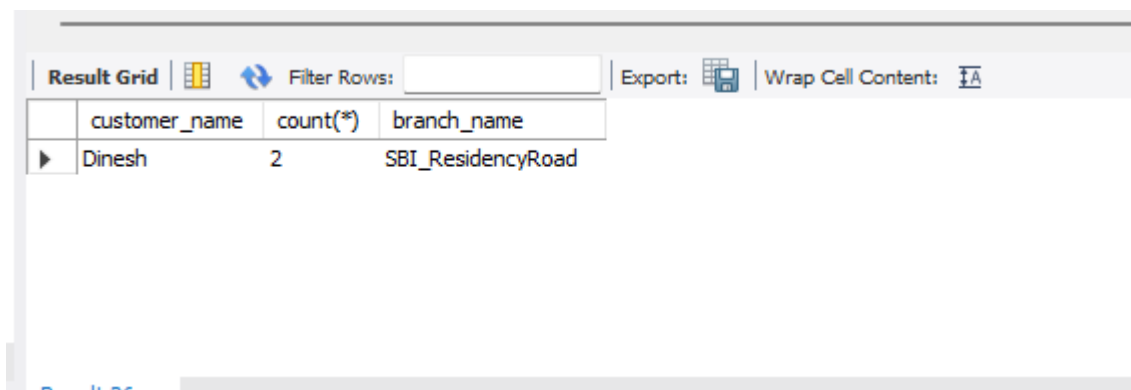
TO DO 1: Find all the customers who have at least two deposits at the same branch.

QUERY:

```

select customer_name, count(*), branch_name
from depositer d inner join bank_account b
on d.acc_no = b.acc_no
group by customer_name, branch_name
having count(*) >=2;

```



	customer_name	count(*)	branch_name
▶	Dinesh	2	SBI_ResidencyRoad

TO DO 2: Display the branch name and assets from all branches in lakhs of rupees and rename the assets column to 'assets in lakhs'.

QUERY: select branch\_name, assets/1000000 assets\_in\_lakhs from branch;

Result Grid			Filter Rows:
	branch_name	assets_in_lakhs	
▶	SBI_Chamrajpet	0.05	
	SBI_JantarMantar	0.02	
	SBI_ParliamentRoad	0.01	
	SBI_ResidencyRoad	0.01	
	SBI_ShivajiRoad	0.02	

TO DO 3: CREATE A VIEW WHICH GIVES EACH BRANCH THE SUM OF THE AMOUNT OF ALL THE LOANS AT THE BRANCH.

```

QUERY: create view loan_sum as
select branch_name, sum(amount)
from loan
group by branch_name;
select * from loan_sum;

```

Result Grid			Filter Rows:
	branch_name	sum(amount)	
▶	SBI_Chamrajpet	1000	
	SBI_JantarMantar	5000	
	SBI_ParliamentRoad	4000	
	SBI_ResidencyRoad	2000	
	SBI_ShivajiRoad	3000	