Create the above tables by properly specifying the primary keys and the foreign

keys.

```
create database dhiksha_bank;
use dhiksha_bank;
create table dhiksha_bank.branch(
Branch_name varchar(30),
Branch_city varchar(25),
assets int,
PRIMARY KEY (Branch_name)
);
create table dhiksha bank.BankAccount(
Accno int,
Branch_name varchar(30),
Balance int,
PRIMARY KEY(Accno),
foreign key (Branch_name) references branch(Branch_name)
);
create table dhiksha_bank.BankCustomer(
Customername varchar(20),
Customer_street varchar(30),
CustomerCity varchar (35),
PRIMARY KEY(Customername)
);
create table dhiksha_bank.Depositer(
Customername varchar(20),
Accno int,
PRIMARY KEY(Customername, Accno),
```

```
foreign key (Accno) references BankAccount(Accno),
foreign key (Customername) references BankCustomer(Customername)
);
create table dhiksha_bank.Loan(
Loan_number int,
Branch_name varchar(30),
Amount int,
PRIMARY KEY(Loan_number),
foreign key (Branch_name) references branch(Branch_name)
);
```

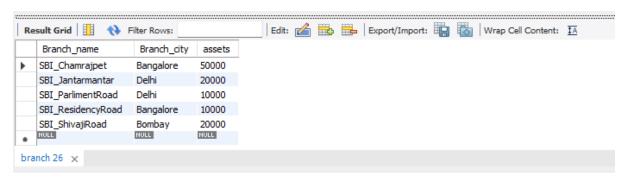
Enter at least five tuples for each relation.

```
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_ParlimentRoad","Delhi",10000); insert into branch values("SBI_ParlimentRoad","Delhi",20000); insert into branch values("SBI_Jantarmantar","Delhi",20000); insert into BankAccount values(1,"SBI_Chamrajpet",2000); insert into BankAccount values(2,"SBI_ResidencyRoad",5000); insert into BankAccount values(3,"SBI_ShivajiRoad",6000); insert into BankAccount values(4,"SBI_ParlimentRoad",9000); insert into BankAccount values(6,"SBI_Jantarmantar",8000); insert into BankAccount values(8,"SBI_ResidencyRoad",4000); insert into BankAccount values(9,"SBI_ParlimentRoad",3000); insert into BankAccount values(10,"SBI_ResidencyRoad",5000); insert into BankAccount values(11,"SBI_Jantarmantar",2000); insert into BankAccount values(11,"SBI_Jantarmantar",2000);
```

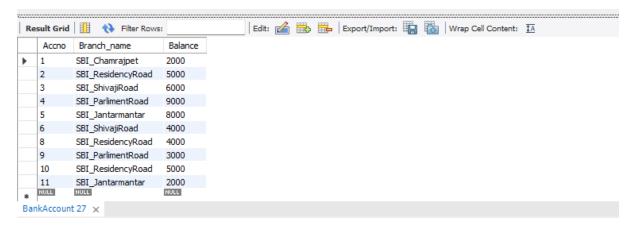
```
insert into BankCustomer values("Avinash", "Bull_Temple_Road", "Bangalore");
insert into BankCustomer values("Dinesh", "Bannergatta_Road", "Bangalore");
insert into BankCustomer values("Mohan", "NationalCollege_Road", "Bangalore");
insert into BankCustomer values("Nikil","Akbar_Road","Delhi");
insert into BankCustomer values("Ravi","Prithviraj_Road","Delhi");
insert into Depositer values("Avinash",1);
insert into Depositer values("Dinesh",2);
insert into Depositer values("Nikil",4);
insert into Depositer values("Ravi",5);
insert into Depositer values("Avinash",8);
insert into Depositer values("Nikil",9);
insert into Depositer values("Dinesh",10);
insert into Depositer values("Nikil",11);
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_ParlimentRoad",4000);
insert into Loan values(5,"SBI_Jantarmantar",5000);
```

Select from table (SELECTION)

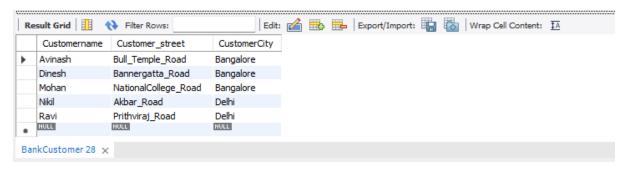
select * from branch;



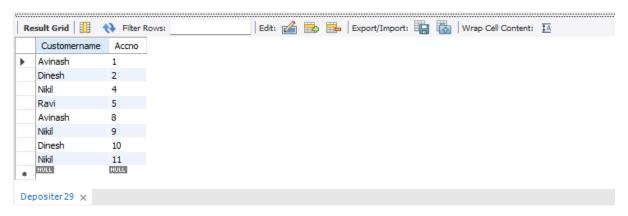
select * from BankAccount;



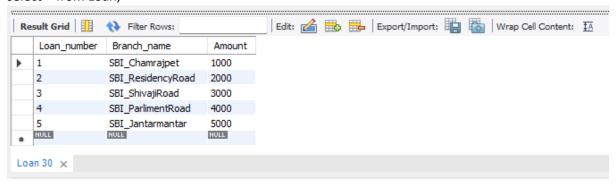
select * from BankCustomer;



select * from Depositer;



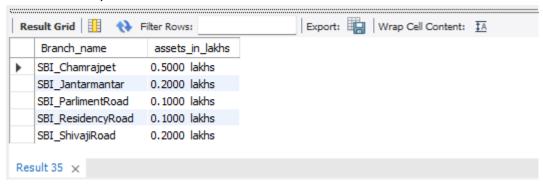
select * from Loan;



QUERIES-TO DO:

• <u>Display the branch name and assets from all branches in lakhs of</u> rupees and rename the assets column to 'assets in lakhs'.

select Branch_name, CONCAT(assets/100000,' lakhs')assets_in_lakhs from branch;



• Find all the customers who have at least two accounts at the same branch (ex.SBI_ResidencyRoad).

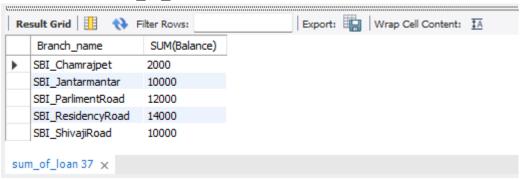
select d.Customername from Depositer d, BankAccount b where b.Branch_name='SBI_ResidencyRoad' and d.Accno=b.Accno group by d.Customername having count(d.Accno)>=2;



• Create a view which gives each branch the sum of the amount of all the loans at the branch.

create view sum_of_loan as select Branch_name, SUM(Balance) from BankAccount group by Branch_name;

select * from sum_of_loan;



SPOT QUERY:

<u>UPDATE OR ADD RUPEES 1000 TO ACCOUNT BALANCE FOR THE CUSTOMERS WHO ARE RESIDING IN BANGALORE.</u>

select bc.Customername, CONCAT(Balance+1000,' rupees')
UPDATED_BALANCE from BankAccount b, BankCustomer bc, Depositer d
where bc.Customername=d.Customername and b.Accno=d.Accno and
bc.Customercity='Bangalore';

