WEEK 3

Creating database:

```
create database bank_insurance;
use bank_insurance;
```

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

```
creating table bankcustomer:
```

```
create table bankcustomer(
customername varchar(20),
customerstreet varchar(30),
city varchar(20),
primary key(customername)
);
desc bankcustomer;
```

creating table branch:

```
create table branch(
branchname varchar(30),
branchcity varchar(20),
assests real,
primary key(branchname)
);
desc branch;
```

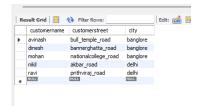
creating table bankaccount:

```
create table bankaccount(
accno int,
branchname varchar(30),
balance real,
primary key(accno),
foreign key(branchname) references branch(branchname)
);
```

```
desc bankaccount;
creating table depositer:
create table depositer(
customername varchar(20),
accno int,
primary key(customername,accno),
foreign key(customername) references bankcustomer(customername),
foreign key(accno) references bankaccount(accno)
);
desc depositer;
creating table loan:
create table loan(
loannumber int,
branchname varchar(30),
amount real,
primary key(loannumber),
foreign key(branchname) references branch(branchname)
);
desc loan;
        Enter at least five tuples for each relation.
```

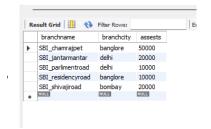
inserting values into table and displaying it:

```
insert into bankcustomer values('avinash', 'bull_temple_road', 'banglore'); insert into bankcustomer values('dinesh', 'bannerghatta_road', 'banglore'); insert into bankcustomer values('mohan', 'nationalcollege_road', 'banglore'); insert into bankcustomer values('nikil', 'akbar_road', 'delhi'); insert into bankcustomer values('ravi', 'prithviraj_road', 'delhi'); select * from bankcustomer;
```



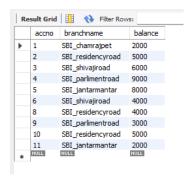
inserting values into table and displaying it:

insert into branch values('SBI_chamrajpet','banglore',50000); insert into branch values('SBI_residencyroad','banglore',10000); insert into branch values('SBI_shivajiroad','bombay',20000); insert into branch values('SBI_parlimentroad','delhi',10000); insert into branch values('SBI_jantarmantar','delhi',20000); select * from branch;



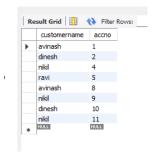
inserting values into table and displaying it:

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(5,'SBI_jantarmantar',8000); insert into bankaccount values(6,'SBI_shivajiroad',4000); 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); select * from bankaccount;



inserting values into table and displaying it:

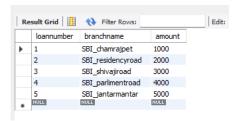
insert into depositer values('avinash',1); insert into depositer values('dinesh',2); insert into depositer values('nikil',4); insert into depositer values('ravi',5); insert into depositer values('avinash',8); insert into depositer values('nikil',9); insert into depositer values('dinesh',10); insert into depositer values('nikil',11);



select * from depositer;

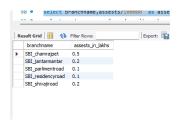
inserting values into table and displaying it:

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 loan;



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

select branchname, assests/100000 as assests_in_lakhs from branch;



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

SBI_ResidencyRoad).

select customername from depositer where accno IN (select accno from bankaccount where branchname="SBI_residencyroad" group by customername having count(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 branchname, sum (balance)

from bankaccount

group by branchname;

select * from sum_of_loan;

