```
create database 1BM21CS054_bankDb;
use 1BM21CS054_bankDb;
create table branch(
branch_name varchar(20),
branch_city varchar(10),
assets real,
PRIMARY KEY(branch_name)
);
create table bankCustomer(
customer_name varchar(20),
customer_street varchar(20),
customer_city varchar(15),
PRIMARY KEY(customer_name)
);
create table loan(
loan_no int,
branch_name varchar(20),
amount real,
PRIMARY KEY(loan_no),
FOREIGN KEY(branch_name) REFERENCES branch(branch_name)
ON UPDATE CASCADE ON DELETE CASCADE
);
create table bankAccount(
accno int,
branch_name varchar(20),
```

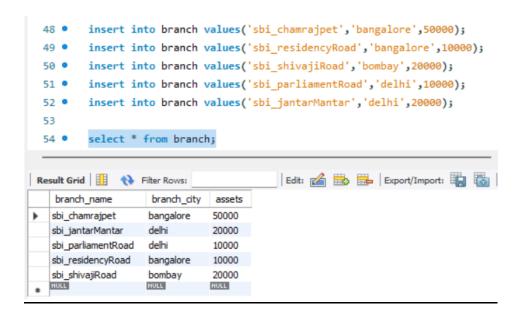
```
balance real,
PRIMARY KEY(accno),
FOREIGN KEY(branch_name) REFERENCES branch(branch_name)
ON UPDATE CASCADE ON DELETE CASCADE
);
create table depositer(
customer_name varchar(20),
accno int,
FOREIGN KEY(customer_name) REFERENCES bankCustomer(customer_name)
ON UPDATE CASCADE ON DELETE CASCADE,
FOREIGN KEY(accno) REFERENCES bankAccount(accno)
ON UPDATE CASCADE ON DELETE CASCADE
);
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);
select * from branch;
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_parliamentRoad',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);
```

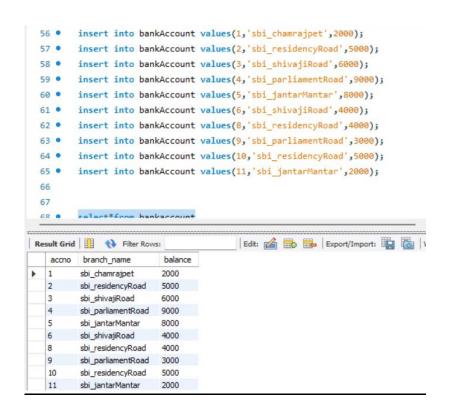
```
insert into bankAccount values(9,'sbi_parliamentRoad',3000);
insert into bankAccount values(10,'sbi_residencyRoad',5000);
insert into bankAccount values(11,'sbi_jantarMantar',2000);
select*from bankaccount
insert into bankCustomer values('avinash','bull_temple_road','bangalore');
insert into bankCustomer 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');
select*from bankcustomer
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;
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);
select * from loan;
select branch_name, concat(assets/100000)as assets_in_lakhs
from branch;
select d.customer_name as CUSTOMER_NAME
from bankAccount b,depositer d
where b.branch_name='sbi_residencyRoad' and b.accno=d.accno
group by d.customer_name
having count(d.accno)>=2;
create view sum_of_loan
as select branch_name,sum(balance)
from bankAccount
group by branch_name;
select*from sum_of_loan;
```

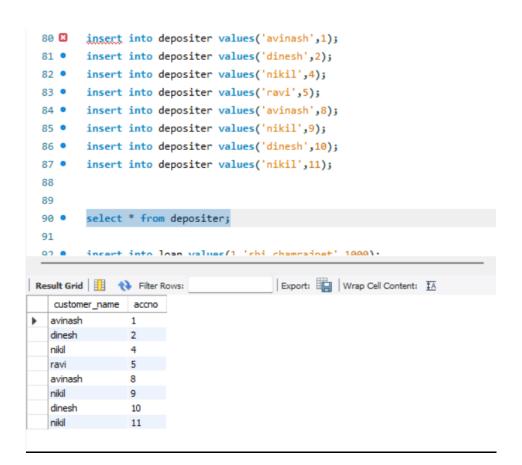
## WEEK 3

## To do:

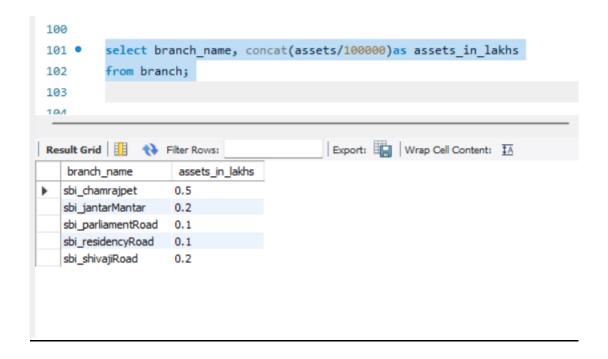




```
insert into bankCustomer values('avinash', 'bull_temple_road', 'bangalore');
 70 🛚
        insert into bankCustomer values('dinesh', 'bannergatta_road', 'bangalore');
 71 •
        insert into bankCustomer values('mohan', 'nationalCollege_road', 'bangalore');
         insert into bankCustomer values('nikil', 'akbar_road', 'delhi');
         insert into bankCustomer values('ravi', 'prithviraj_road', 'delhi');
 76
 77
 78 •
         select*from bankcustomer
 79
         incert into denociter values/'avinach' 1).
 20 🖪
                                          | Edit: 🕍 🛗 | Export/Import: 📳 📸 | Wrap Cell Content: 🔣
customer_city
  customer_name customer_street
  avinash
                bull_temple_road
                                  bangalore
  dinesh
                bannergatta_road
                                  bangalore
  mohan
                nationalCollege_road
                                  bangalore
  nikil
                akbar_road
                                  delhi
                prithviraj_road
                                  delhi
  ravi
  NULL
                                  NULL
```



```
insert into loan values(1, 'sbi_chamrajpet',1000);
 92 •
 93 •
        insert into loan values(2, 'sbi_residencyRoad', 2000);
        insert into loan values(3,'sbi_shivajiRoad',3000);
 94 •
        insert into loan values(4,'sbi_parliamentRoad',4000);
 95 •
        insert into loan values(5, 'sbi jantarMantar',5000);
 96 •
 97
 98
        select * from loan;
 99 •
100
101
        calact branch name
                            concet/serate/1000001se serate in labbe
Edit: Export/Import:
   loan_no
          branch_name
                           amount
                           1000
          sbi_chamrajpet
  1
                           2000
  2
          sbi_residencyRoad
  3
          sbi_shivajiRoad
                           3000
  4
          sbi_parliamentRoad
                          4000
          sbi_jantarMantar
                           5000
                          NULL
  NULL
```



```
104
        select d.customer_name as CUSTOMER_NAME
105 •
106
        from bankAccount b,depositer d
        where b.branch_name='sbi_residencyRoad' and b.accno=d.accno
107
        group by d.customer_name
108
        having count(d.accno)>=2;
109
 110
                                     Export: Wrap Cell Content: IA
CUSTOMER_NAME
dinesh
```

