### Week 4

```
create database 1bm21cs054_bank2;
use 1bm21cs054_bank2;
create table branch(
branchname varchar(20),
branchcity varchar(20),
assets int,
primary key(branchname)
);
create table bankcustomer(
customername varchar(20),
customerstreet varchar(20),
customercity varchar(20),
primary key(customername)
);
create table bankacc(
accno int,
branchname varchar(20),
balance int,
primary key(accno),
foreign key(branchname) references branch(branchname)
on delete cascade
on update cascade
);
create table depositer(
customername varchar(20),
accno int,
primary key(customername, accno),
foreign key(customername) references bankcustomer(customername),
foreign key(accno) references bankacc(accno)
on delete cascade
```

```
on update cascade
);
create table loan(
loannumber int,
branchname varchar(20),
amount int,
primary key(loannumber),
foreign key(branchname) references branch(branchname)
on delete cascade
on update cascade
);
create table borrower(
customername varchar(20),
loannumber int,
primary key(loannumber, customername),
foreign key (customername) references bankcustomer(customername),
foreign key (loannumber) references loan(loannumber)
on delete cascade
on update cascade
);
insert into branch values('SBI_Chamarajpet','bangalore',50000);
insert into branch values('SBI_Residencyroad','bangalore',10000);
insert into branch values('SBI_Shivajinagar','bombay',20000);
insert into branch values('SBI_Parlimentroad','delhi',10000);
insert into branch values('SBI_Jantarmantar','delhi',20000);
insert into branch values('SBI_Mantrimarg','delhi',200000);
insert into bankcustomer values('Avinash', 'BullTempleRoad', 'bangalore');
insert into bankcustomer values('Dinesh', 'BannerghattaRoad', 'bangalore');
insert into bankcustomer values('Mohan','NationalCollegeRoad','bangalore');
insert into bankcustomer values('Nikhil','AkbarRoad','delhi');
```

```
insert into bankacc values(1, 'SBI_Chamarajpet', 2000);
insert into bankacc values(2, 'SBI_Residencyroad', 5000);
insert into bankacc values(3,'SBI_Shivajinagar',6000);
insert into bankacc values(4,'SBI_Parlimentroad',9000);
insert into bankacc values(5, 'SBI_Jantarmantar', 8000);
insert into bankacc values(6, 'SBI_Shivajinagar', 4000);
insert into bankacc values(8, 'SBI_Residencyroad', 4000);
insert into bankacc values(9,'SBI_Parlimentroad',3000);
insert into bankacc values(10,'SBI_Residencyroad',5000);
insert into bankacc values(11, 'SBI_Jantarmantar', 2000);
insert into bankacc values(12, 'SBI_Mantrimarg', 2000);
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);
insert into depositer values('Nikhil',12);
insert into loan values(1,'SBI_Chamarajpet',1000);
insert into loan values(2, 'SBI_Residencyroad', 2000);
insert into loan values(3,'SBI_Shivajinagar',3000);
insert into loan values(4,'SBI_Parlimentroad',4000);
insert into loan values(5, 'SBI Jantarmantar', 5000);
```

insert into borrower values('Avinash',1);

insert into bankcustomer values('Ravi','PrithvirajRoad','delhi');

```
insert into borrower values('Dinesh',2);
insert into borrower values('Mohan',3);
insert into borrower values('Nikhil',4);
insert into borrower values('Ravi',5);
```

# TO DO

1. select distinct customername, count (distinct ba. branchname)

from depositer d,bankacc ba, branch b

where d.accno=ba.accno and ba.branchname=b.branchname and b.branchcity='delhi'

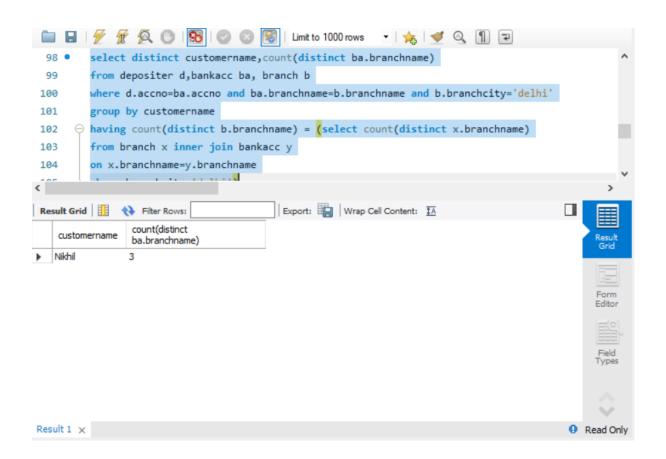
group by customername

having count(distinct b.branchname) = (select count(distinct x.branchname)

from branch x inner join bankacc y

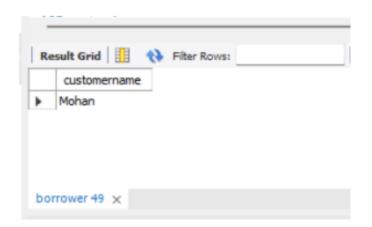
on x.branchname=y.branchname

where branchcity='delhi')



### 2.select customername

from borrower
where customername not in(
select customername
from depositer
);



### 3. select customername

```
from borrower

where customername in(
select customername

from depositer

where accno= any

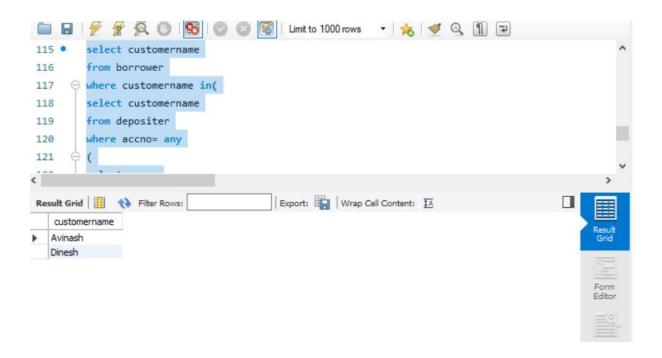
(
select accno

from bankacc ba inner join branch b

on ba.branchname=b.branchname

where b.branchcity='bangalore')

);
```



#### 4. select branchname

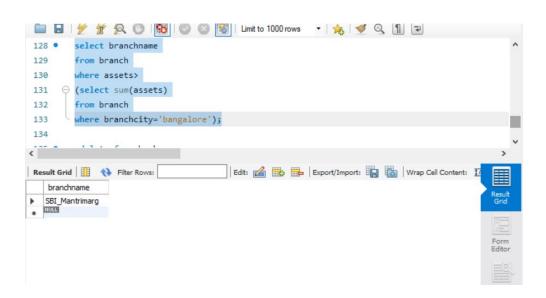
from branch

where assets>

(select sum(assets)

from branch

where branchcity='bangalore');



5. delete from bankacc

where branchname=any

(select branchname

from branch

where branchcity='bombay');

## 6.select \* from bankacc;

