WEEK 4

```
create database 1bm21cs043_bank2;
use 1bm21cs043_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
```

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

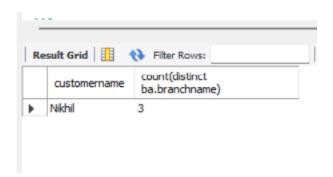
group by customername

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')); customername Avinash Dinesh borrower 52 ×

4.select branchname

from branch

where assets>

(select sum(assets)

from branch

where branchcity='bangalore');



5. delete from bankacc

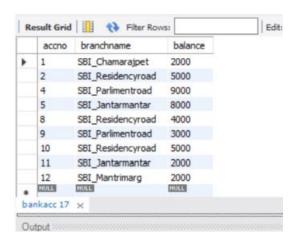
where branchname=any

(select branchname

from branch

where branchcity='bombay');

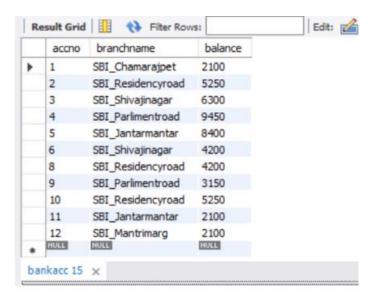
select * from bankacc;



6. update bankacc

set balance=(balance+0.05*balance);

select *from bankacc;



delete from branch

where branchcity='bangalore';

