WEEK 4

insert into bankaccount values(12,"SBI_MantriMarg",2000);

insert into branch values("SBI_MantriMarg","Delhi",200000);
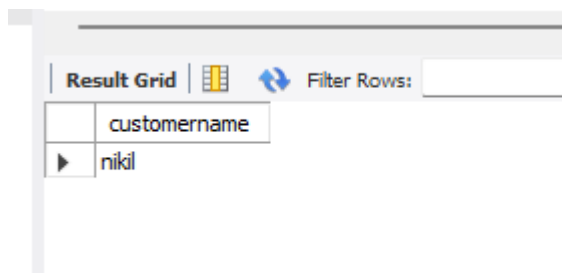
insert into depositer values("Nikil",12);

create table borrower(customername varchar(50), loannumber int,

foreign key(customername) references bankcustomer(customername),

foreign key(loannumber) references loan(loannumber));

insert into borrower values("Avinash",1),("Dinesh",2),("Mohan",3),("Nikil",4),("Ravi",5);

QUERIES

- Find all the customers who have an account at all the branches
  located in a specific city (Ex. Delhi).

select d.customername from branch b, depositer d, bankaccount ba where

b.branchcity='Delhi' and d.accno=ba.accno and b.branchname=ba.branchname

group by d.customername having count(distinct b.branchname)= (select count(distinct b.branchname) from branch b where b.branchcity='Delhi');

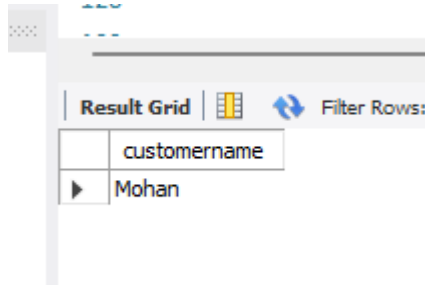|	customername
▶	nikil

Result Grid — Filter Rows:

- Find all customers who have a loan at the bank but do not have
  an account.

select distinct b.customername from borrower b, depositer d
where b.customername NOT IN(

select d.customername from loan l,depositer d, borrower b
where l.loannumber=b.loannumber and
d.customername=b.customername
);

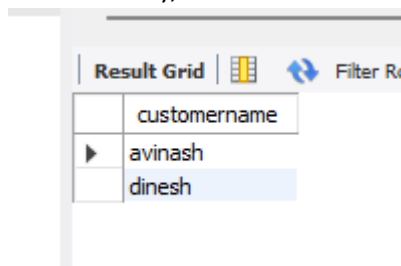|	customername
▶	Mohan

- Find all customers who have both an account and a loan at the
  Bangalore branch

select distinct d.customername from depositer d
where d.customername IN(
        select d.customername from branch br, depositer d, bankaccount ba
        where br.branchcity='Banglore' and br.branchname=ba.branchname
        and ba.accno=d.accno and customername IN(
select customername from borrower)
        );

	customername
▶	avinash
	dinesh

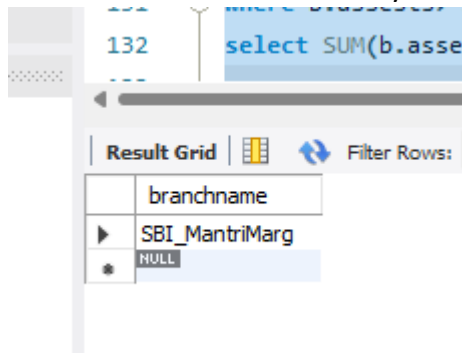- Find the names of all branches that have greater assets than all
  branches located in Bangalore.

select b.branchname from branch b
where b.assests> ALL (
select SUM(b.assests) from branch b
        where b.branchcity='Banglore');

132	select SUM(b.asse

	branchname
▶	SBI_MantriMarg
*	NULL

- Demonstrate how you delete all account tuples at every branch

located in a specific city (Ex. Bombay).

delete ba.* from bankaccount ba, branch b where branchcity='bombay' and
ba.branchname=b.branchname;
select * from bankaccount;

```
132     select SUM(b.assests) from branch
133                 where b.bran
134
```

Result Grid | Filter Rows:

accno	branchname	balance
1	SBI_chamrajpet	2000
2	SBI_residencyroad	5000
4	SBI_parlimentroad	9000
5	SBI_jantarmantar	8000
8	SBI_residencyroad	4000
9	SBI_parlimentroad	3000
10	SBI_residencyroad	5000
11	SBI_jantarmantar	2000
12	SBI_MantriMarg	2000
NULL	NULL	NULL

- Update the Balance of all accounts by 5%

UPDATE bankaccount set balance=(balance + (balance*0.05));

select * from bankaccount;

Result Grid | Filter Rows: | Edit:

accno	branchname	balance
1	SBI_chamrajpet	2100
2	SBI_residencyroad	5250
4	SBI_parlimentroad	9450
5	SBI_jantarmantar	8400
8	SBI_residencyroad	4200
9	SBI_parlimentroad	3150
10	SBI_residencyroad	5250
11	SBI_jantarmantar	2100
12	SBI_MantriMarg	2100
NULL	NULL	NULL

- Demonstrate how to delete branches loacted in banglore

delete b.*,ba.* from branch b, bankaccount ba,loan l

Where b.branchcity="Banglore" and b.branchname=ba.branchname

And l.branchname=ba.branchname;

select * from branch;

select * from bankaccount;

select * from loan;

branchname	branchcity	assests
SBI_jantarmantar	delhi	20000
SBI_parlimentroad	delhi	10000
SBI_shivajiroad	bombay	20000
NULL	NULL	NULL

150 ● select * from branch;

accno	branchname	balance
3	SBI_shivajiroad	6000
4	SBI_parlimentroad	9000
5	SBI_jantarmantar	8000
6	SBI_shivajiroad	4000
9	SBI_parlimentroad	3000
11	SBI_jantarmantar	2000
NULL	NULL	NULL

loannumber	branchname	amount
3	SBI_shivajiroad	3000
4	SBI_parlimentroad	4000
5	SBI_jantarmantar	5000
NULL	NULL	NULL