WEEK 4 program_2_Bank Database

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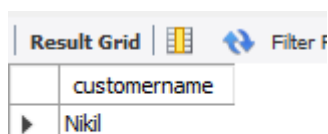
Sol.
Select D.customername

From depositer D, bankaccount BA, branch B

where D.accno=BA.accno and BA.branch_name= B.branch_name and B.branch_city='Delhi'

group by D.customername

Having count(distinct(B.branch_name)) =

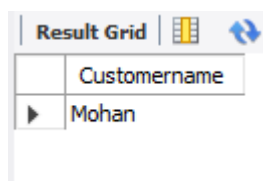(select count(branch_name) from branch where Branch_city = 'Delhi');

Result Grid	Filter
customername
Nikil

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

```
create table dhiksha_bank.borrower(
Customername varchar(20),
Loan_number int,
PRIMARY KEY(Customername, Loan_number),
foreign key (Customername) references BankCustomer(Customername),
foreign key (Loan_number) references Loan(Loan_number)
);

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

select distinct Customername
from borrower where Customername not in
(select Customername from Depositer )
```
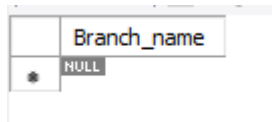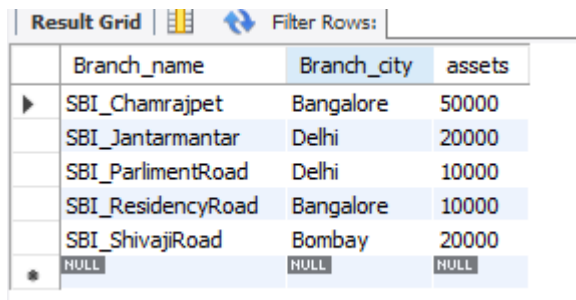
Result Grid
Customername
Mohan

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

select Branch_name from branch where assets > all

(select assets from branch where Branch_city ='Bangalore');

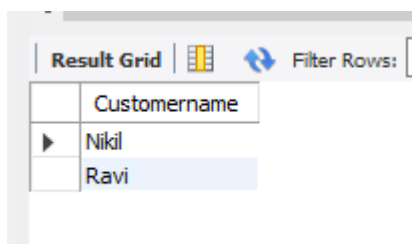|	Branch_name
*	NULL

[The result grid shows null because Bangalore has the highest asset]

	Branch_name	Branch_city	assets
▶	SBI_Chamrajpet	Bangalore	50000
	SBI_Jantarmantar	Delhi	20000
	SBI_ParlimentRoad	Delhi	10000
	SBI_ResidencyRoad	Bangalore	10000
	SBI_ShivajiRoad	Bombay	20000
*	NULL	NULL	NULL

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

select Customername from borrower, Loan where

borrower.Loan_number=Loan.Loan_number and

Loan.Branch_name in(select Branch_name from Depositer,

bankaccount where Depositer.accno=BankAccount.Branch_name

in(select Branch_name from branch where

branch.Branch_city="Delhi"));

	Customername
▶	Nikil
	Ravi

Demonstrate how you delete all account tuples at every branch located in a specific city (Ex. Bomay).

delete from BankAccount

where Branch_name IN (

select Branch_name

from branch

where Branch_city='Bombay'

);

select * from BankAccount;

Accno	Branch_name	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
NULL	NULL	NULL

Update the Balance of all accounts by 5%

SELECT * FROM LOAN ORDER BY AMOUNT DESC;

Loan_number	Branch_name	Amount
5	SBI_Jantarmantar	5000
4	SBI_ParlimentRoad	4000
3	SBI_ShivajiRoad	3000
2	SBI_ResidencyRoad	2000
1	SBI_Chamrajpet	1000
NULL	NULL	NULL

(SELECT Customername FROM Depositer) UNION (SELECT

Customername FROM borrower);

Customername
Avinash
Dinesh
Nikil
Ravi
Mohan

CREATE VIEW BRANCH_TOTAL_LOAN (BRANCH_NAME,

TOTAL_LOAN) AS SELECT BRANCH_NAME, SUM(AMOUNT) FROM LOAN

GROUP BY BRANCH_NAME;