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

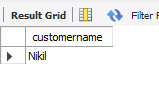
From depositer D, bankaccount BA, branch B

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');



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);

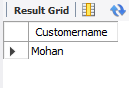
insert into borrower values("Nikil",4);

insert into borrower values("Ravi",5);

select distinct Customername

from borrower where Customername not in

(select Customername from Depositer )



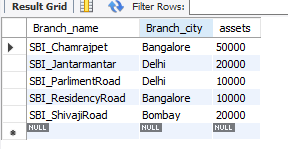
Find the names of all branches that have greater assets than all branches located in Bangalore.

select Branch\_name from branch where assets > all

(select assets from branch where Branch\_city ='Bangalore');



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



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

select Customername from borrower, Loan where

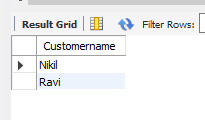
borrower.Loan\_number=Loan.Loan\_number and

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"));



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

delete from BankAccount

where Branch\_name IN (

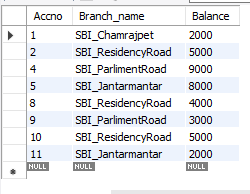
select Branch\_name

from branch

where Branch\_city='Bombay'

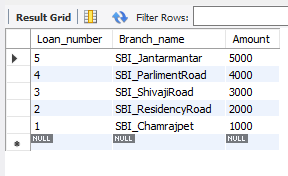
);

select \* from BankAccount;



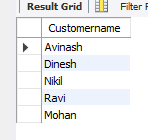
Update the Balance of all accounts by 5%

SELECT \* FROM LOAN ORDER BY AMOUNT DESC;



(SELECT Customername FROM Depositer ) UNION (SELECT

Customername FROM borrower);



CREATE VIEW BRANCH\_TOTAL\_LOAN (BRANCH\_NAME,

TOTAL\_LOAN) AS SELECT BRANCH\_NAME, SUM(AMOUNT) FROM LOAN

GROUP BY BRANCH\_NAME;