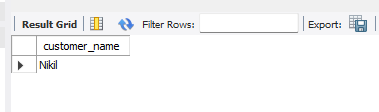
WEEK 4

QUERY 1

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

select customer\_name  
 from depositor d,bank\_account ba, branch b  
 where d.accno=ba.accno and b.branch\_name = ba.branch\_name  
 and branch\_city = 'Delhi'  
 group by customer\_name  
having count(distinct ba.branch\_name) = (select count(\*) from branch b where branch\_city='Delhi');

OUTPUT



QUERY 2

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

create table Borrower(Customer\_name varchar(20), Loan\_number int,

foreign key(Customer\_name) references Bank\_customer(Customer\_name),

foreign key(Loan\_number) references Loan(Loan\_number));

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

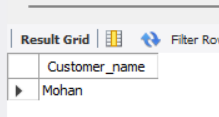
select distinct b.Customer\_name from Borrower b, Depositer d

where b.Customer\_name not in(

select d.Customer\_name from Loan l,Depositer d, Borrower b

where l.Loan\_number=b.Loan\_number and

d.Customer\_name=b.Customer\_name );



QUERY 3

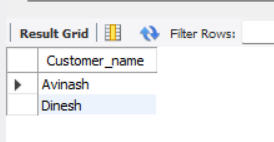
Find all customers who have both an account and a loan at the Bangalore branch

select distinct d.Customer\_name from Depositer d

where d.Customer\_name in( select d.Customer\_name from Branch br,Depositer d, Bank\_account ba

where br.Branch\_city="Bangalore" and br.Branch\_name=ba.Branch\_name and ba.Accno=d.Accno and d.Customer\_name

in( select Customer\_name from Borrower));



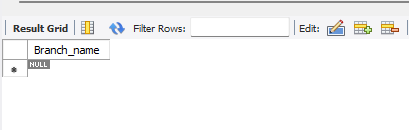
QUERY 4

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

select Branch\_name from Branch

where Assets > (select max(Assets) from branch where Branch\_city='Bangalore');

OUTPUT



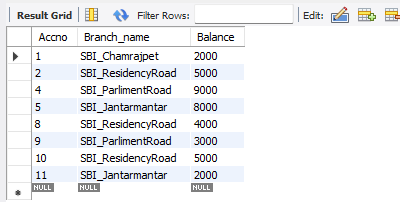
QUERY 5

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

delete from Bank\_account ba

where ba.Branch\_name in(Select Branch\_name from Branch where Branch\_city='Bombay');

select \* from Bank\_account;



QUERY 6

Update the Balance of all accounts by 5%

update Bank\_account

set Balance=(Balance+(Balance\*0.05));

select \* from Bank\_account;

