Week-4

insert into bankaccount values(12, "SBI_MatriMarg", 2000); insert into branch values("SBI_MatriMarg", "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);

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

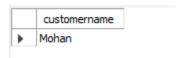
select d.customername from branch b, depositer d, bankaccount ba where b.branchcity='Delhi' and d.accno=ba.accno and b.branchname=ba.branchname group by d.customername having count(customername)>1;



• 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(

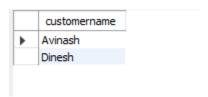
select d.customername from loan l,depositer d, borrower b where l.loannumber=b.loannumber and d.customername=b.customername);



 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 d.customername in(

select customername from borrower));



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



• Update the Balance of all accounts by 5%

update bankaccount set balance=(balance+(balance*0.05));
select * from bankaccount;

			_
	accno	branchname	balance
•	1	SBI_Chamrajpet	2100
	2	SBI_ResidencyRoad	5250
	3	SBI_ShivajiRoad	6300
	4	SBI_ParlimentRoad	9450
	5	SBI_Jantarmantar	8400
	6	SBI_ShivajiRoad	4200
	8	SBI_ResidencyRoad	4200
	9	SBI_ParlimentRoad	3150
	10	SBI_ResidencyRoad	5250
	11	SBI_Jantarmantar	2100
	12	SBI_MatriMarg	2100
	NULL	NULL	NULL
bar	NULL nkaccoun	_	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;

	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_MatriMarg	2100
	NULL	NULL	NULL

• Demonstrate how to delete branches located 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	assets
•	SBI_Jantarmantar	Delhi	20000
	SBI_MatriMarg	Delhi	200000
	SBI_ParlimentRoad	Delhi	10000
	SBI_ShivajiRoad	Bombay	20000
	NULL	HULL	NULL
	1		

	loannumber	branchname	amount
•	3	SBI_ShivajiRoad	3000
	4	SBI_ParlimentRoad	4000
	5	SBI_Jantarmantar	5000
	NULL	NULL	NULL

	accno	branchname	balance
•	4	SBI_ParlimentRoad	9450
	5	SBI_Jantarmantar	8400
	9	SBI_ParlimentRoad	3150
	11	SBI_Jantarmantar	2100
	12	SBI_MatriMarg	2100
	NULL	NULL	NULL