WEEK 3

```
create database Bank;
use Bank;

create table Branch
(branch_name varchar(20),
branch_city varchar(20),
assets float(20),
primary key(branch_name)
);

create table BankAccount
(Accno int(20),
branch_name varchar(20),
balance float(20),
primary key(Accno),
foreign key(branch_name) references Branch(branch_name) on delete cascade
);

desc BankAccount;

create table BankCustomer
(Customer_name varchar(20),
Customer_street varchar(20),
Customer_city varchar(20),
primary key(Customer_name)
);

create table Depositer
```

```
(Customer_name varchar(20),
Accno int(20),
primary key(Customer_name,Accno),
foreign key(Customer_name) references BankCustomer(Customer_name)on delete cascade,
foreign key(Accno) references BankAccount(Accno)on delete cascade
);

create table LOAN
(Loan_no int(20),
branch_name varchar(20),
amount float(20),
primary key(Loan_no),
foreign key(branch_name) references Branch(branch_name)
);

show tables;

insert into branch values ("SBI_Chamrajpet", "Bangalore", 50000),("SBI_ResidencyRoad",
"Bangalore", 10000),
("SBI_ShivajiRoad", "Bombay", 20000),("SBI_ParlimentRoad", "Delhi",
10000),("SBI_Jantarmantar", "Delhi", 20000);

insert into BankAccount values(1, "SBI_Chamrajpet", 2000),(2, "SBI_ResidencyRoad",
5000),(3, "SBI_ShivajiRoad", 6000),(4, "SBI_ParlimentRoad", 9000),
(5, "SBI_Jantarmantar", 8000),(6, "SBI_ShivajiRoad", 4000),(8, "SBI_ResidencyRoad",
4000);

insert into BankCustomer values("Avinash", "BullTempleRoad", "Bangalore"),("Dinesh",
"BannergattaRoad", "Bangalore"),
("Mohan", "National College", "Bangalore"),("Nikil", "Akbar Road", "Delhi"),("Ravi",
"Prithviraj Road", "Delhi");
```

```
set foreign_key_checks=0;
set global foreign_key_checks=0;

insert into Depositer values("Avinash", 1),("Dinesh", 2),("Nikil", 4),("Ravi", 5),("Avinash", 8),("Nikil", 9),("Dinesh", 10),("Nikil", 11);

insert into loan values(1, "SBI_Chamrajpet", 1000),(2, "SBI_ResidencyRoad", 2000),
(3, "SBI_ShivajiRoad", 3000),(4, "SBI_ParlimentRoad", 4000),(5, "SBI_Jantarmantar", 5000);
```

```
select * from Branch;
```

Result Grid | Filter Rows:

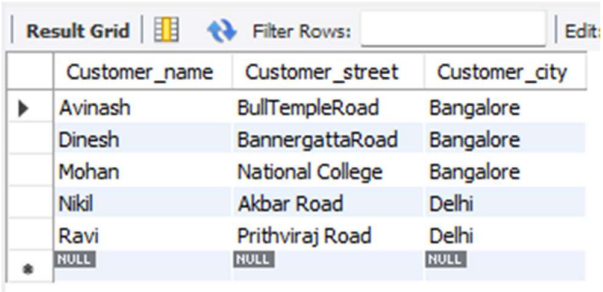
branch_name	branch_city	assets
SBI_Chamrajpet	Bangalore	50000
SBI_Jantarmantar	Delhi	20000
SBI_ParlimentRoad	Delhi	10000
SBI_ResidencyRoad	Bangalore	10000
SBI_ShivajiRoad	Bombay	20000
NULL	NULL	NULL

```
select * from BankAccount;
```

Result Grid | Filter Rows:

Accno	branch_name	balance
1	SBI_Chamrajpet	2000
2	SBI_ResidencyRoad	5000
3	SBI_ShivajiRoad	6000
4	SBI_ParlimentRoad	9000
5	SBI_Jantarmantar	8000
6	SBI_ShivajiRoad	4000
NULL	NULL	NULL

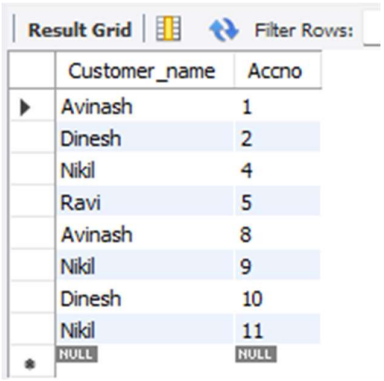
select * from BankCustomer;



Result Grid | Filter Rows: | Edit:

Customer_name	Customer_street	Customer_city
Avinash	BullTempleRoad	Bangalore
Dinesh	BannergattaRoad	Bangalore
Mohan	National College	Bangalore
Nikil	Akbar Road	Delhi
Ravi	Prithviraj Road	Delhi
NULL	NULL	NULL

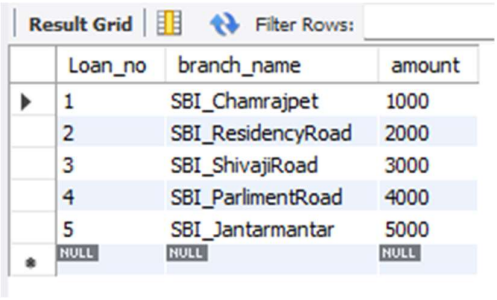
select * from Depositer;



Result Grid | Filter Rows:

Customer_name	Accno
Avinash	1
Dinesh	2
Nikil	4
Ravi	5
Avinash	8
Nikil	9
Dinesh	10
Nikil	11
NULL	NULL

select * from loan;

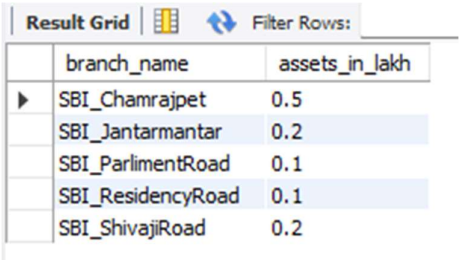


Result Grid | Filter Rows:

Loan_no	branch_name	amount
1	SBI_Chamrajpet	1000
2	SBI_ResidencyRoad	2000
3	SBI_ShivajiRoad	3000
4	SBI_ParlimentRoad	4000
5	SBI_Jantarmantar	5000
NULL	NULL	NULL

select branch_name,assets/100000 as assets_in_lakh

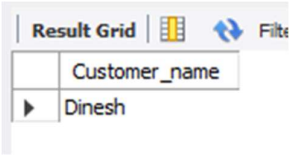
from Branch;



Result Grid | Filter Rows:

branch_name	assets_in_lakh
SBI_Chamrajpet	0.5
SBI_Jantarmantar	0.2
SBI_ParlimentRoad	0.1
SBI_ResidencyRoad	0.1
SBI_ShivajiRoad	0.2

select Customer_name from Depositer d, BankAccount b where d.Accno=b.Accno and branch_name='SBI_ResidencyRoad' having count(Customer_name)>=2;



Customer_name
Dinesh

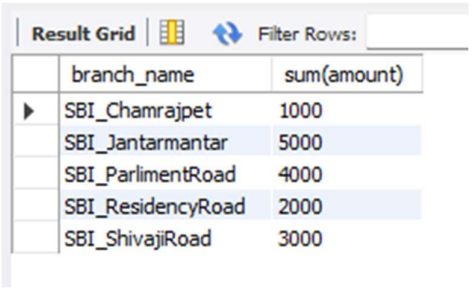
create view SUM1 as

select branch_name,sum(amount)

from loan

group by branch_name;

select * from SUM1;



branch_name	sum(amount)
SBI_Chamrajpet	1000
SBI_Jantarmantar	5000
SBI_ParlimentRoad	4000
SBI_ResidencyRoad	2000
SBI_ShivajiRoad	3000