

Week-3 To do list

1. Creation of tables

```
create table branch(branch_name varchar(100) primary key, branch_city varchar(100),  
assets real);
```

```
create table bankaccount(accno int(8) primary key,branch_name varchar(100),balance  
real,foreign key(branch_name) references branch(branch_name));
```

```
create table bankcustomer(customer_name varchar(100) primary key, customer_street  
varchar(100), customer_city varchar(100));
```

```
create table depositer(customer_name varchar(100), accno int(8), foreign key(accno)  
references bankaccount(accno), foreign key(customer_name) references  
bankcustomer(customer_name));
```

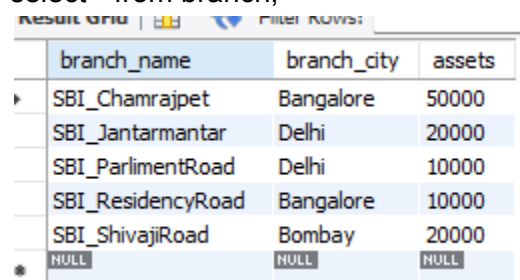
```
create table loan(loan_number int(8), branch_name varchar(100), amount int(8), foreign  
key(branch_name) references branch(branch_name));
```

2. Insertion

insert into branch values

```
('SBI_Chamrajpet','Bangalore',50000),  
('SBI_ResidencyRoad','Bangalore',100000),  
('SBI_ShivajiRoad','Bombay',20000),  
('SBI_ParlimentRoad','Delhi',100000),  
('SBI_Jantarmentar','Delhi',20000);
```

select * from branch;



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

insert into bankaccount values

```
(1,'SBI_Chamrajpet',2000),  
(2,'SBI_ResidencyRoad',5000),  
(3,'SBI_ShivajiRoad',6000),  
(4,'SBI_ParlimentRoad',9000),  
(5,'SBI_Jantarmentar',8000),
```

```

(6,'SBI_ShivajiRoad',4000),
(8,'SBI_ResidencyRoad',4000),
(9,'SBI_ParliamentRoad',3000),
(10,'SBI_ResidencyRoad',5000),
(11,'SBI_Jantarmantra',2000);
select * from bankaccount;

```

accno	branch_name	balance
1	SBI_Chambajpet	2000
2	SBI_ResidencyRoad	5000
3	SBI_ShivajiRoad	6000
4	SBI_ParliamentRoad	9000
5	SBI_Jantarmantra	8000
6	SBI_ShivajiRoad	4000
8	SBI_ResidencyRoad	4000
9	SBI_ParliamentRoad	3000
10	SBI_ResidencyRoad	5000
11	SBI_Jantarmantra	2000
NULL	NULL	NULL

```

insert into bankcustomer values
('Avinash','Bull_Temple_Road','Bangalore'),
('Dinesh','Bannerghatta_Road','Bangalore'),
('Mohan','NationalCollege_Road','Bangalore'),
('Nikil','Akbar_Road','Delhi'),
('Ravi','Prithviraj_Road','Delhi');
select * from bankcustomer;

```

customer_name	customer_street	customer_city
Avinash	Bull_Temple_Road	Bangalore
Dinesh	Bannerghatta_Road	Bangalore
Mohan	NationalCollege_Road	Bangalore
Nikil	Akbar_Road	Delhi
Ravi	Prithviraj_Road	Delhi
NULL	NULL	NULL

```

insert into depositor values
('Avinash',1),
('Dinesh',2),
('Nikil',4),
('Ravi',5),
('Avinash',8),
('Nikil',9),
('Dinesh',10),

```

```
('Nikil',11);
select * from depositer;
```

customer_name	accno
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_ParliamentRoad',4000),
(5,'SBI_Jantarmantra',5000);
select * from loan;
```

loan_number	branch_name	amount
1	SBI_Chamrajpet	1000
2	SBI_ResidencyRoad	2000
3	SBI_ShivajiRoad	3000
4	SBI_ParliamentRoad	4000
5	SBI_Jantarmantra	5000

3.select branch_name,(assets/100000) as 'assets in lakhs' from branch;

branch_name	assets in lakhs
SBI_Chamrajpet	0.5
SBI_Jantarmantra	0.2
SBI_ParliamentRoad	0.1
SBI_ResidencyRoad	0.1
SBI_ShivajiRoad	0.2

4. select d.customer_name,b.branch_name,count(*) as 'no_of_accounts' from depositer d join bankaccount b on d.accno=b.accno group by d.customer_name,b.branch_name having count(*)>=2;

customer_name	branch_name	no_of_accounts
Dinesh	SBI_ResidencyRoad	2
Nikil	SBI_ParlimentRoad	2

5. create view sum_amount as select branch_name, sum(amount) as total_amount from loan group by branch_name;
select * from sum_amount;

branch_name	total_amount
SBI_Chamrajpet	1000
SBI_Jantarmantra	5000
SBI_ParlimentRoad	4000
SBI_ResidencyRoad	2000
SBI_ShivajiRoad	3000