BANK DATABASE

```
create table Branch(
        branch_name varchar(255) primary key,
        branch_city varchar(255) not null,
        assets float
);
```

Result Grid | Filter Rows: | Export: | Wrap

Field	Type	Null	Key	Default	Extra
branch_name	varchar(255)	NO	PRI	NULL	
branch_city	varchar(255)	NO		NULL	
assets	float	YES		NULL	

```
create table BankAccount(
        accno int primary key,
        branch_name varchar(200),
        balance float,
        foreign key(branch_name) references Branch(branch_name)
);
```

Field	Type	Null	Key	Default	Extra
accno	int	NO	PRI	NULL	
branch_name	varchar(200)	YES	MUL	NULL	
balance	float	YES		NULL	

```
create table BankCustomer(
        customer_name varchar(255) primary key,
        customer_street varchar(255) not null,
        city varchar(255) not null
);
```

Field	Type	Null	Key	Default	Extra
customer_name	varchar(255)	NO	PRI	NULL	
customer_street	varchar(255)	NO		NULL	
city	varchar(255)	NO		NULL	

```
create table Depositor(
   customer_name varchar(255),
        acc_num int,
        foreign key(acc_num) references BankAccount(accno),
        foreign key (customer_name) references BankCustomer(customer_name)
);
```

	Field	Type	Null	Key	Default	Extra
▶	customer_name	varchar(255)	YES	MUL	NULL	
	acc_num	int	YES	MUL	NULL	

```
create table Loan(
        loan_num int primary key,
        branch_name varchar(255),
        amount float,
        foreign key(branch_name) references Branch(branch_name)
);
```

	Field	Type	Null	Key	Default	Extra
▶	loan_num	int	NO	PRI	NULL	
	branch_name	varchar(255)	YES	MUL	NULL	
	amount	float	YES		NULL	

TODOS

1. Display the branch name and assets from all branches in lakhs of rupees and rename assets.

```
Select branch_name, assets/100000 as assets_in_lakhs
From Branch;
```

	branch_name	assets_in_lakhs
▶	SBI_Chamrajpet	0.5
	SBI_Jantarmantar	0.2
	SBI_ParlimentRoad	0.1
	SBI_ResidencyRoad	0.1
	SBI_ShivajiRoad	0.2

2. Find all the customers who have at least two accounts in the same branch

```
create view CommonCustomers as
select d.acc_num, branch_name, customer_name
from BankAccount b, Depositor d
where d.acc_num = b.accno;

select distinct customer_name
from CommonCustomers outerTable
where 1 < (
   select count(*)
        from CommonCustomers
        where branch_name = outerTable.branch_name and customer_name =
outerTable.customer_name
);
```

customer_name
Dinesh
Nikil

3. Create a view which gives each branch the sum of the amount of all the loans at the branch

```
create view Loans_branch as
Select branch_name, sum(amount)
From Loan
Group by branch_name;

Select * from Loans_branch;
```

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

4. Update the amount balance by 1000 for customers residing in Bangalore

```
Update BankAccount
Set balance = balance + 1000
Where accno In (Select acc_num from Depositor d, BankCustomer b
                    Where d.customer_name = b.customer_name
                And city="Bangalore");
select * from BankAccount;
```

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
8	SBI_ResidencyRoad	4000
9	SBI_ParlimentRoad	3000
10	SBI_ResidencyRoad	5000
11	SBI_Jantarmantar	2000
NULL	NULL	NULL