# BANK DATABASE

**QUESTION**

(WEEK3)

Branch (branch-name: String, branch-city: String, assets: real)

BankAccount(accno: int, branch-name: String, balance: real)

BankCustomer (customer-name: String, customer-street: String,

customer-city: String)

Depositer(customer-name: String, accno: int)

LOAN (loan-number: int, branch-name: String, amount: real)

1.Create the above tables by properly specifying the primary keys and the foreign

keys.

2.Enter at least five tuples for each relation.

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

the assets column to 'assets in lakhs'.

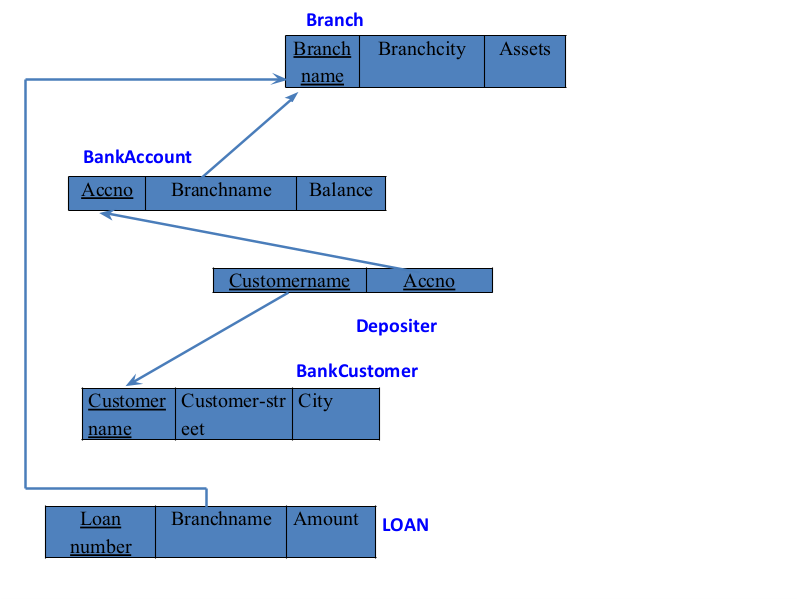
4.Find all the customers who have at least two accounts at the same branch (ex.

SBI\_ResidencyRoad).

5.CREATE A VIEW WHICH GIVES EACH BRANCH THE SUM OF THE

AMOUNT OF ALL THE LOANS AT THE BRANCH.

**Schema diagram:**



**Create database:**

create database bank1;

use bank1;

**create table:**

create table branch (

branch\_name varchar(25),

branch\_city varchar(15),

assets int,

primary key (branch\_name)

);

create table bank\_account (

accno int,

branch\_name varchar(25),

balance int,

primary key (accno),

foreign key (branch\_name) references branch(branch\_name)

);

create table bank\_customer (

customer\_name varchar(10),

customer\_street varchar(25),

customer\_city varchar(15),

primary key (customer\_name)

);

create table depositer (

customer\_name varchar(10),

accno int,

primary key(customer\_name, accno),

foreign key (customer\_name) references bank\_customer(customer\_name),

foreign key(accno) references bank\_account(accno)

);

create table loan (

loan\_number int,

branch\_name varchar(25),

amount int,

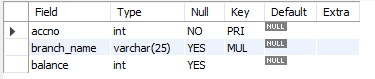
primary key (loan\_number),

foreign key (branch\_name) references branch(branch\_name)

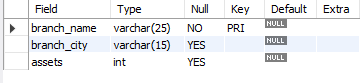
);

**Strucure of the table:**

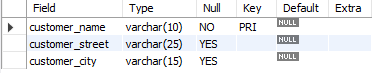
DESC bank\_account;



DESC branch;



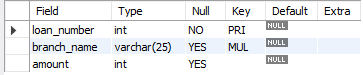
DESC bank\_customer;



DESC depositer;



DESC loan;



**Inserting values to the table:**

insert into branch values('SBI\_Chamrajpet', 'Bangalore', 50000);

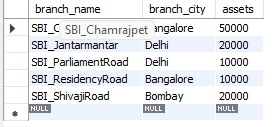
insert into branch values('SBI\_ResidencyRoad', 'Bangalore', 10000);

insert into branch values('SBI\_ShivajiRoad', 'Bombay', 20000);

insert into branch values('SBI\_ParliamentRoad', 'Delhi', 10000);

insert into branch values('SBI\_Jantarmantar', 'Delhi', 20000);

select \* from branch;



insert into bank\_account values(1, 'SBI\_Chamrajpet', 2000);

insert into bank\_account values(2, 'SBI\_ResidencyRoad', 5000);

insert into bank\_account values(3, 'SBI\_ShivajiRoad', 6000);

insert into bank\_account values(4, 'SBI\_ParliamentRoad', 9000);

insert into bank\_account values(5, 'SBI\_Jantarmantar', 8000);

insert into bank\_account values(6, 'SBI\_ShivajiRoad', 4000);

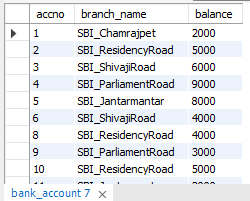
insert into bank\_account values(8, 'SBI\_ResidencyRoad', 4000);

insert into bank\_account values(9, 'SBI\_ParliamentRoad', 3000);

insert into bank\_account values(10, 'SBI\_ResidencyRoad', 5000);

insert into bank\_account values(11, 'SBI\_Jantarmantar', 2000);

select \* from bank\_account;



insert into bank\_customer values ('Avinash', 'Bull\_Temple\_Road', 'Bangalore');

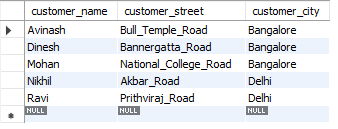
insert into bank\_customer values ('Dinesh', 'Bannergatta\_Road', 'Bangalore');

insert into bank\_customer values ('Mohan', 'National\_College\_Road', 'Bangalore');

insert into bank\_customer values ('Nikhil', 'Akbar\_Road', 'Delhi');

insert into bank\_customer values ('Ravi', 'Prithviraj\_Road', 'Delhi');

select \* from bank\_customer;



insert into depositer values('Avinash', 1);

insert into depositer values('Dinesh', 2);

insert into depositer values('Nikhil', 4);

insert into depositer values('Ravi', 5);

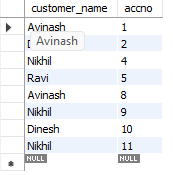
insert into depositer values('Avinash', 8);

insert into depositer values('Nikhil', 9);

insert into depositer values('Dinesh', 10);

insert into depositer values('Nikhil', 11);

select \* from depositer;



insert into loan values(1, 'SBI\_Chamrajpet', 1000);

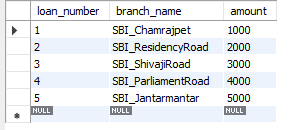
insert into loan values(2, 'SBI\_ResidencyRoad', 2000);

insert into loan values(3, 'SBI\_ShivajiRoad', 3000);

insert into loan values(4, 'SBI\_ParliamentRoad', 4000);

insert into loan values(5, 'SBI\_Jantarmantar', 5000);

select \* from loan;



**Query1:**

Create the above tables by properly specifying the primary keys and the foreign

keys.