17/10/2025

>>>Creating tables and inserting values:

```
create database bank;
use bank;
create table Branch(
      branch_name varchar(20) primary key,
      branch_city varchar(20),
      assets real);
create table BankAccount(
      accno int primary key,
      branch_name varchar(20),
      balance real,
      foreign key(branch_name) references Branch(branch_name));
create table BankCustomer(
      customer_name varchar(20) primary key,
      customer_street varchar(20),
      customer_city varchar(20));
create table Depositer(
      customer_name varchar(20),
      accno int,
      primary key(customer_name,accno),
      foreign key(customer_name) references BankCustomer(customer_name),
      foreign key(accno) references BankAccount(accno));
create table LOAN (
      loan_number int primary key,
      branch_name varchar(20),
      amount real,
      foreign key (branch_name) references Branch(branch_name));

```

```
insert into branch values
('SBI_Chamrajpet','Bangalore',50000),
('SBI_ResidencyRoad','Bangalore',10000),
('SBI_ShivajiRoad','Bombay',20000),
('SBI_ParliamentRoad','Delhi',10000),
('SBI_JantarMantar','Delhi',20000);
insert into BankAccount values
(1,'SBI_Chamrajpet',2000),
(2,'SBI_ResidencyRoad',5000),
(3,'SBI_ShivajiRoad', 6000),
(4,'SBI_ParliamentRoad',9000),
(5,'SBI_JantarMantar',8000),
(6,'SBI_ShivajiRoad', 4000),
(7,'SBI_ResidencyRoad',4000),
(8,'SBI_ParliamentRoad', 3000),
(9,'SBI_ResidencyRoad', 5000),
(10,'SBI_JantarMantar',2000);
insert into BankCustomer values
('Avinash', 'Bull_Temple_Road','Bangalore'),
('Dinesh','Bannerghatta_Road','Bangalore'),
('Mohan','National_College','Bangalore'),
('Nikhil','Akbar_Road','Delhi'),
('Ravi','Prithviraj_Road','Delhi');
insert into loan values
(1,'SBI_Chamrajpet',1000),
(2,'SBI_ResidencyRoad',2000),
(3,'SBI_ShivajiRoad', 3000),
(4,'SBI_ParliamentRoad',4000),
(5,'SBI_JantarMantar',5000);
```

```
57  insert into depositer values
58  ('Avinash',1),
59  ('Dinesh',2),
60  ('Nikhil',4),
61  ('Ravi',5),
62  ('Avinash',8),
63  ('Nikhil',9),
64  ('Dinesh',10);
65
66  select branch_name,(assets / 100000) AS assets_in_lakhs
67  from Branch;
68
69  select d.customer_name, ba.branch_name, COUNT(*) AS accounts
70  from Depositer d
71  join BankAccount ba ON d.accno = ba.accno
72  group by d.customer_name, ba.branch_name
73  having COUNT(*) >= 2;
74
75  create view BranchLoan AS
76  select branch_name, SUM(amount) AS total_loan_amount
77  from Loan
78  group by branch_name;
79  select* from BranchLoanSum;
80
```

>>>Query 1: Display the branch name and assets from all branches in lakhs of rupees and rename the assets column to 'assets in lakhs'.

branch_name	assets_in_lakhs
SBI_Chamrajpet	0.5
SBI_JantarMantar	0.2
SBI_ParliamentRoad	0.1
SBI_ResidencyRoad	0.1
SBI_ShivajiRoad	0.2

0.1

>>>Query 2: Find all the customers who have at least two accounts at the same branch (ex. SBI_ResidencyRoad).

Result Grid | Filter Rows: | Export:

customer_name	branch_name	accounts

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

Result Grid | Filter Rows: | Export:

branch_name	total_loan_amount
SBI_Chamrajpet	1000
SBI_JantarMantar	5000
SBI_ParliamentRoad	4000
SBI_ResidencyRoad	2000
SBI_ShivajiRoad	3000