**NAME : VINAYKUMAR**

**USN : 1BM24CS327**

**show databases;**

**create database bank;**

**use bank;**

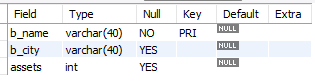
**create table branch(**

**b\_name varchar(40) primary key,**

**b\_city varchar(40),**

**assets int);**

**desc branch;**

****

**create table Bankaccount (**

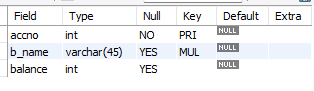
**accno int primary key,**

**b\_name varchar(45),**

**balance int,**

**foreign key (b\_name) references Branch (b\_name));**

**desc bankaccount;**

****

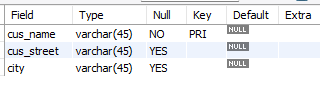
**create table BankCustomer (**

**cus\_name varchar(45) primary key,**

**cus\_street varchar(45),**

**city varchar(45));**

**desc BankCustomer;**

****

**create table depositor (**

**cus\_name varchar(45),**

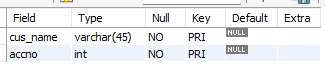
**accno int ,**

**primary key(cus\_name,accno),**

**foreign key (accno) references BankAccount (accno),**

**foreign key(cus\_name) references bankcustomer(cus\_name));**

**DESC depositor;**

****

**create table loan(**

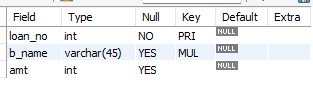
**loan\_no int primary key,**

**b\_name varchar(45),**

**amt int,**

**foreign key (b\_name) references branch (b\_name));**

**desc loan;**

****

**INSERT INTO Branch VALUES**

**('SBI\_Chamrajpet', 'Blr', 500000),**

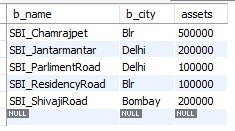
**('SBI\_ResidencyRoad', 'Blr', 100000),**

**('SBI\_ShivajiRoad', 'Bombay', 200000),**

**('SBI\_ParlimentRoad', 'Delhi', 100000),**

**('SBI\_Jantarmantar', 'Delhi', 200000);**

**select \* from branch;**

****

**INSERT INTO BankCustomer VALUES**

**('Avinash', 'Bull\_Temple\_Road', 'Bangalore'),**

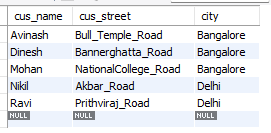
**('Dinesh', 'Bannerghatta\_Road', 'Bangalore'),**

**('Mohan', 'NationalCollege\_Road', 'Bangalore'),**

**('Nikil', 'Akbar\_Road', 'Delhi'),**

**('Ravi', 'Prithviraj\_Road', 'Delhi');**

**select \* from bankcustomer;**

****

**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),**

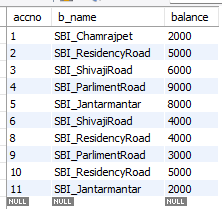
**(8, 'SBI\_ResidencyRoad', 4000),**

**(9, 'SBI\_ParlimentRoad', 3000),**

**(10, 'SBI\_ResidencyRoad', 5000),**

**(11, 'SBI\_Jantarmantar', 2000);**

**select \* from bankaccount;**

****

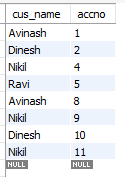
**INSERT INTO depositor VALUES**

**('Avinash', 1),('Dinesh', 2),('Nikil', 4),**

**('Ravi', 5),('Avinash', 8),**

**('Nikil', 9),('Dinesh', 10),('Nikil', 11);**

**select \* from depositor;**

****

**INSERT INTO loan VALUES**

**(1, 'SBI\_Chamrajpet', 1000),**

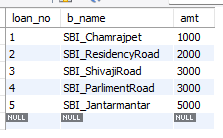
**(2, 'SBI\_ResidencyRoad', 2000),**

**(3, 'SBI\_ShivajiRoad', 3000),**

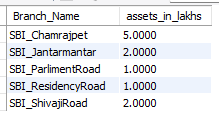
**(4, 'SBI\_ParlimentRoad', 3000),**

**(5, 'SBI\_Jantarmantar', 5000);**

**select \* from loan;**

****

**select b\_name as 'Branch\_Name',assets/100000.0 as 'assets\_in\_lakhs' from branch;**

****

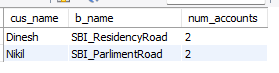
**select d.cus\_name,b.b\_name,count(\*) as num\_accounts**

**from depositor d, bankaccount b**

**where d.accno = b.accno**

**group by d.cus\_name,b.b\_name**

**having count(\*)>=2;**

****

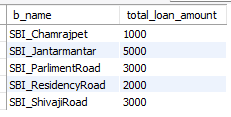
**CREATE VIEW Summary AS**

**SELECT b\_name,SUM(amt) AS total\_loan\_amount**

**FROM loan**

**GROUP BY b\_name;**

**select \* from summary;**

****

**select d.cus\_name**

**from depositor d,bankaccount b**

**where d.accno=b.accno and b\_name in (select b\_name from branch where b\_city='Delhi')**

**group by d.cus\_name;**

****

**SELECT DISTINCT d.cus\_name**

**FROM depositor d,bankaccount b,loan l**

**where d.accno = b.accno and b.b\_name = l.b\_name**

**and b.b\_name IN (**

**SELECT b\_name FROM branch WHERE b\_city = 'Blr'**

**);**

****

**SELECT b\_name**

**FROM branch**

**WHERE assets > ALL (**

**SELECT assets**

**FROM branch**

**WHERE b\_city = 'Blr'**

**);**

****

**DELETE FROM bankaccount**

**WHERE b\_name IN (**

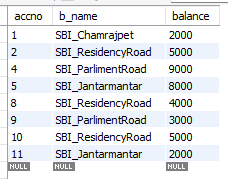
**SELECT b\_name**

**FROM branch**

**WHERE b\_city = 'Bombay'**

**);**

**SELECT \* FROM BANKACCOUNT;**

****

**UPDATE bankaccount**

**SET balance = balance +(balance \* 0.05);**