WEEK-3 bank database

- Create the above tables by properly specifying the primary keys and the foreign keys.
- Enter at least five tuples for each relation.
- Display the branch name and assets from all branches in lakhs of rupees and rename the assets column to 'assets in lakhs'.
- Find all the customers who have at least two accounts at the same branch (ex. SBI_ResidencyRoad).
- CREATE A VIEW WHICH GIVES EACH BRANCH THE SUM OF THE AMOUNT OF ALL THE LOANS AT THE BRANCH.

QUERIES- TO DO:

- Display the branch name and assets from all branches in lakhs of rupees and rename the assets column to assets in lakhs.
- Find all the customers who have at least two accounts at the same branch (ex.SBI_ResidencyRoad).
- Create a view which gives each branch the sum of the amount of all the loans at the branch.

SPOT QUERY:

• UPDATE OR ADD RUPEES 1000 TO ACCOUNT BALANCE FOR THE CUSTOMERS WHO ARE RESIDING IN BANGALORE.

```
1 •
       create database dhiksha_bank;
 2 •
       use dhiksha_bank;
 3 • 

create table dhiksha_bank.branch(
       Branch_name varchar(30),
 4
       Branch_city varchar(25),
 5
       assets int,
 6
       PRIMARY KEY (Branch name)
 7
       );
 9 • ⊖ create table dhiksha bank.BankAccount(
10
       Accno int,
       Branch name varchar(30),
11
12
       Balance int,
13
       PRIMARY KEY(Accno),
       foreign key (Branch name) references branch(Branch name)
14
       );
15
16 • ⊖ create table dhiksha bank.BankCustomer(
       Customername varchar(20),
17
18
       Customer_street varchar(30),
       CustomerCity varchar (35),
19
20
       PRIMARY KEY(Customername)
       );
21
22 • 

create table dhiksha_bank.Depositer(
23
       Customername varchar(20),
24
       Accno int,
       PRIMARY KEY(Customername, Accno),
25
26
       foreign key (Accno) references BankAccount(Accno),
27
       foreign key (Customername) references BankCustomer(Customername)
28
29
       );
30 • ⊖ create table dhiksha_bank.Loan(
       Loan number int,
31
32
       Branch_name varchar(30),
       Amount int,
33
       PRIMARY KEY(Loan_number),
34
       foreign key (Branch name) references branch(Branch name)
35
       );
36
```

```
38 •
       INSERT INTO Branch VALUES ('SBI_Chamrajpet', 'Bangalore', 50000);
       INSERT INTO Branch VALUES ('SBI ResidencyRoad', 'Bangalore', 10000);
39 •
       INSERT INTO Branch VALUES ('SBI_ShivajiRoad', 'Bombay', 20000);
40 •
41 •
       INSERT INTO Branch VALUES ('SBI ParlimentRoad', 'Delhi', 10000);
42 •
       INSERT INTO Branch VALUES ('SBI Jantarmantar', 'Delhi', 20000);
43
44 •
       INSERT INTO BankAccount VALUES (1, 'SBI Chamrajpet', 2000);
       INSERT INTO BankAccount VALUES (2, 'SBI ResidencyRoad', 5000);
45 •
       INSERT INTO BankAccount VALUES (3, 'SBI ShivajiRoad', 6000);
46
       INSERT INTO BankAccount VALUES (4, 'SBI ParlimentRoad', 9000);
47 •
       INSERT INTO BankAccount VALUES (5, 'SBI_Jantarmantar', 8000);
48
       INSERT INTO BankAccount VALUES (6, 'SBI ShivajiRoad', 4000);
49 •
       INSERT INTO BankAccount VALUES (8, 'SBI ResidencyRoad', 4000);
50 •
       INSERT INTO BankAccount VALUES (9, 'SBI ParlimentRoad', 3000);
51 •
       INSERT INTO BankAccount VALUES (10, 'SBI ResidencyRoad', 5000);
52 •
       INSERT INTO BankAccount VALUES (11, 'SBI Jantarmantar', 2000);
53 •
55 •
        INSERT INTO BankCustomer VALUES ('Avinash', 'Bull_Temple_Road', 'Bangalore');
        INSERT INTO BankCustomer VALUES ('Dinesh', 'Bannergatta Road', 'Bangalore');
56 •
        INSERT INTO BankCustomer VALUES ('Mohan', 'NationalCollege Road', 'Bangalore');
57 •
58 •
        INSERT INTO BankCustomer VALUES ('Nikil', 'Akbar Road', 'Delhi');
59 •
        INSERT INTO BankCustomer VALUES ('Ravi', 'Prithviraj Road', 'Delhi');
60
61 •
        INSERT INTO Depositer VALUES ('Avinash', 1);
        INSERT INTO Depositer VALUES ('Dinesh', 2);
62 •
        INSERT INTO Depositer VALUES ('Nikil', 4);
63 •
        INSERT INTO Depositer VALUES ('Ravi', 5);
64 •
        INSERT INTO Depositer VALUES ('Avinash', 8);
65 •
        INSERT INTO Depositer VALUES ('Nikil', 9);
66 •
67 •
        INSERT INTO Depositer VALUES ('Dinesh', 10);
        INSERT INTO Depositer VALUES ('Nikil', 11);
68 •
69
        INSERT INTO Loan VALUES (1, 'SBI_Chamrajpet', 1000);
70 •
        INSERT INTO Loan VALUES (2, 'SBI ResidencyRoad', 2000);
71 •
        INSERT INTO Loan VALUES (3, 'SBI ShivajiRoad', 3000);
72 •
73 •
        INSERT INTO Loan VALUES (4, 'SBI_ParlimentRoad', 4000);
74 •
        INSERT INTO Loan VALUES (5, 'SBI Jantarmantar', 5000);
```





