

```

create database loan_info;

use loan_info;

CREATE TABLE Branch (
    BranchName VARCHAR(30) PRIMARY KEY,
    BranchCity VARCHAR(30),
    Assets INT
);

```


-- Inserting values into Branch

```

INSERT INTO Branch VALUES
('SBI_Chamrajpet', 'Bangalore', 50000),
('SBI_ResidencyRoad', 'Bangalore', 10000),
('SBI_ShivajiRoad', 'Bombay', 20000),
('SBI_ParlimentRoad', 'Delhi', 10000),
('SBI_Jantarmanatar', 'Delhi', 20000);

select * from Branch;

```

Result Grid    Filter Rows: <input type="text"/>			
	BranchName	BranchCity	Assets
▶	SBI_Chamrajpet	Bangalore	50000
	SBI_Jantarmanatar	Delhi	20000
	SBI_ParlimentRoad	Delhi	10000
	SBI_ResidencyRoad	Bangalore	10000
	SBI_ShivajiRoad	Bombay	20000

```

CREATE TABLE BankAccount (
    AccNo INT PRIMARY KEY,
    BranchName VARCHAR(30),
    Balance INT,
    FOREIGN KEY (BranchName) REFERENCES Branch(BranchName)
);

```

-- Inserting values into BankAccount

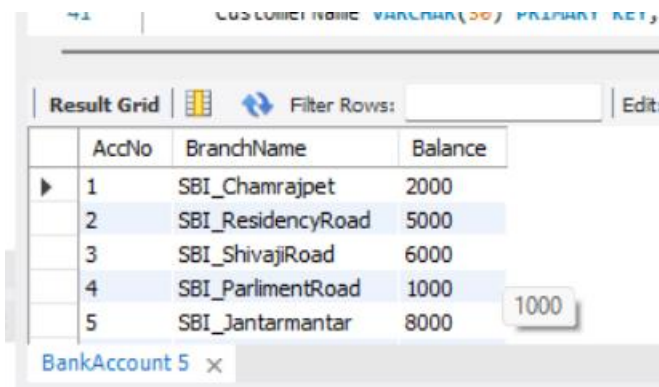
```

INSERT INTO BankAccount VALUES

```

```
(1, 'SBI_Chamrajpet', 2000),
(2, 'SBI_ResidencyRoad', 5000),
(3, 'SBI_ShivajiRoad', 6000),
(4, 'SBI_ParlimentRoad', 1000),
(5, 'SBI_Jantarmanatar', 8000),
(6, 'SBI_ShivajiRoad', 4000),
(7, 'SBI_ResidencyRoad', 4000),
(8, 'SBI_ParlimentRoad', 3000),
(9, 'SBI_ResidencyRoad', 5000),
(10, 'SBI_ParlimentRoad', 3000),
(11, 'SBI_Jantarmanatar', 2000);
```

```
select * from BankAccount;
```



AccNo	BranchName	Balance
1	SBI_Chamrajpet	2000
2	SBI_ResidencyRoad	5000
3	SBI_ShivajiRoad	6000
4	SBI_ParlimentRoad	1000
5	SBI_Jantarmanatar	8000

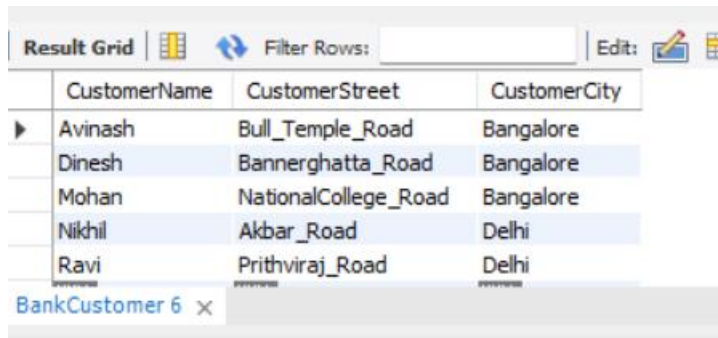
```
CREATE TABLE BankCustomer (
    CustomerName VARCHAR(30) PRIMARY KEY,
    CustomerStreet VARCHAR(50),
    CustomerCity VARCHAR(30)
);
```

```
-- Inserting values into BankCustomer
```

```
INSERT INTO BankCustomer VALUES
('Avinash', 'Bull_Temple_Road', 'Bangalore'),
('Dinesh', 'Bannerghatta_Road', 'Bangalore'),
('Mohan', 'NationalCollege_Road', 'Bangalore'),
('Nikhil', 'Akbar_Road', 'Delhi');
```

```
('Ravi', 'Prithviraj_Road', 'Delhi');
```

```
select * from BankCustomer;
```



	CustomerName	CustomerStreet	CustomerCity
▶	Avinash	Bull_Temple_Road	Bangalore
	Dinesh	Bannerghatta_Road	Bangalore
	Mohan	NationalCollege_Road	Bangalore
	Nikhil	Akbar_Road	Delhi
	Ravi	Prithviraj_Road	Delhi

```
CREATE TABLE Deposit (  
    CustomerName VARCHAR(30),  
    AccNo INT,  
    FOREIGN KEY (CustomerName) REFERENCES BankCustomer(CustomerName),  
    FOREIGN KEY (AccNo) REFERENCES BankAccount(AccNo)  
);
```

```
-- Inserting values into Deposit
```

```
INSERT INTO Deposit VALUES
```

```
('Avinash', 1),
```

```
('Dinesh', 2),
```

```
('Nikhil', 4),
```

```
('Ravi', 5),
```

```
('Avinash', 8),
```

```
('Nikhil', 9),
```

```
('Dinesh', 10),
```

```
('Nikhil', 11);
```

```
select * from Deposit;
```

Result Grid			Filter Rows:
	CustomerName	AccNo	
▶	Avinash	1	
	Dinesh	2	
	Nikhil	4	
	Ravi	5	
	Avinash	8	

Deposit 7 x

```
CREATE TABLE Loan (
    LoanNumber INT PRIMARY KEY,
    BranchName VARCHAR(30),
    Amount INT,
    FOREIGN KEY (BranchName) REFERENCES Branch(BranchName)
);
```

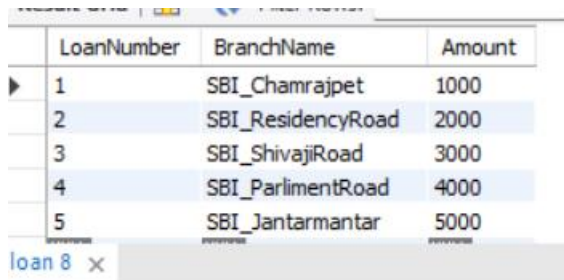
-- Inserting values into Loan

```
INSERT INTO Loan VALUES
(1, 'SBI_Chamrajpet', 1000),
(2, 'SBI_ResidencyRoad', 2000),
(3, 'SBI_ShivajiRoad', 3000),
(4, 'SBI_ParlimentRoad', 4000),
(5, 'SBI_Jantarmanatar', 5000);
select * from loan;
```

	LoanNumber	BranchName	Amount
▶	1	SBI_Chamrajpet	1000
	2	SBI_ResidencyRoad	2000
	3	SBI_ShivajiRoad	3000
	4	SBI_ParlimentRoad	4000
	5	SBI_Jantarmanatar	5000

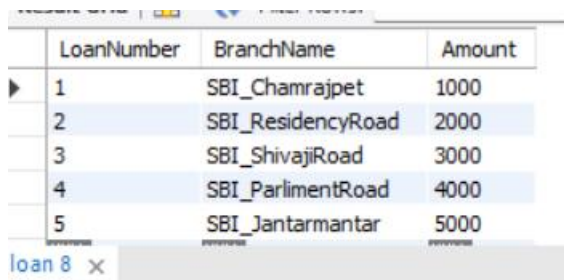
loan 8 x

```
SELECT BranchName, assets / 100000 AS "assets in lakhs"
FROM Branch;
```



LoanNumber	BranchName	Amount
1	SBI_Chamrajpet	1000
2	SBI_ResidencyRoad	2000
3	SBI_ShivajiRoad	3000
4	SBI_ParliamentRoad	4000
5	SBI_Jantarmantra	5000

```
SELECT
    d.CustomerName,
    ba.BranchName
FROM
    Deposit d
JOIN
    BankAccount ba ON d.AccNo = ba.AccNo
GROUP BY
    d.CustomerName, ba.BranchName
HAVING
    COUNT(*) >= 1;
```



LoanNumber	BranchName	Amount
1	SBI_Chamrajpet	1000
2	SBI_ResidencyRoad	2000
3	SBI_ShivajiRoad	3000
4	SBI_ParliamentRoad	4000
5	SBI_Jantarmantra	5000

```
CREATE VIEW loan_info AS
SELECT BranchName, SUM(Amount) AS total_loan_amount
FROM Loan
GROUP BY BranchName;
SELECT * FROM loan_info;
```

Result Grid			Filter Rows:	Ex
	BranchName	total_loan_amount		
▶	SBI_Chamrajpet	1000		
	SBI_Jantarmantar	5000		
	SBI_ParlimentRoad	4000		
	SBI_ResidencyRoad	2000		
	SBI_ShivajiRoad	3000		
loan_info 11 ×				