

```
create database BANK1;
```

```
use BANK1;
```

```
CREATE TABLE Branch (  
    BRANCHNAME VARCHAR(50) PRIMARY KEY,  
    BRANCHCITY VARCHAR(50),  
    ASSETS INT  
);
```

```
INSERT INTO Branch VALUES  
( 'SBI_Chamrajpet', 'Bangalore', 5000),  
( 'SBI_ResidencyRoad', 'Bangalore', 10000),  
( 'SBI_ShivajiRoad', 'Bangalore', 2000),  
( 'SBI_ParliamentRoad', 'Delhi', 3000),  
( 'SBI_JantarMantar', 'Delhi', 4000);
```

```
CREATE TABLE BankAccount (  
    ACCNO INT PRIMARY KEY,  
    BRANCHNAME VARCHAR(50),  
    BALANCE INT,  
    FOREIGN KEY (BRANCHNAME) REFERENCES Branch(BRANCHNAME)  
);
```

```
INSERT INTO BankAccount VALUES  
(1, 'SBI_Chamrajpet', 5000),  
(2, 'SBI_ResidencyRoad', 10000),  
(3, 'SBI_ShivajiRoad', 2000),  
(4, 'SBI_ParliamentRoad', 3000),  
(5, 'SBI_JantarMantar', 4000);
```

```
CREATE TABLE BankCustomer (  

```

```
CUSTOMERNAME VARCHAR(50) PRIMARY KEY,  
CUSTOMERSTREET VARCHAR(100),  
CUSTOMERCITY VARCHAR(50)  
);
```

```
INSERT INTO BankCustomer VALUES  
( 'Avinash', 'Bull_Temple_Road', 'Bangalore'),  
( 'Dinesh', 'Bannerghatta_Road', 'Bangalore'),  
( 'Mohan', 'NationalCollege_Road', 'Bangalore'),  
( 'Nikil', 'Gandhi_Bazaar', 'Bangalore'),  
( 'Ravi', 'Prithviraj_Road', 'Delhi');
```

```
CREATE TABLE Loan (  
    LOANNUMBER VARCHAR(10) PRIMARY KEY,  
    BRANCHNAME VARCHAR(50),  
    AMOUNT INT,  
    FOREIGN KEY (BRANCHNAME) REFERENCES Branch(BRANCHNAME)  
);
```

```
INSERT INTO Loan VALUES  
( 'L1', 'SBI_Chamrajpet', 1000),  
( 'L2', 'SBI_ResidencyRoad', 2000),  
( 'L3', 'SBI_ShivajiRoad', 3000),  
( 'L4', 'SBI_ParliamentRoad', 4000),  
( 'L5', 'SBI_JantarMantar', 5000);
```

```
CREATE TABLE Depositor (  
    CUSTOMERNAME VARCHAR(50),  
    ACCNO INT,  
    FOREIGN KEY (CUSTOMERNAME) REFERENCES BankCustomer(CUSTOMERNAME),  
    FOREIGN KEY (ACCNO) REFERENCES BankAccount(ACCNO)
```

);

INSERT INTO Depositor VALUES

('Avinash', 1),

('Dinesh', 2),

('Nikil', 3),

('Ravi', 4),

('Avinash', 5),

('Dinesh', 1),

('Nikil', 2),

('Nikil', 3),

('Dinesh', 4),

('Nikil', 5);

select\* from Branch;

	BRANCHNAME	BRANCHCITY	ASSETS
▶	SBI_Chamrajpet	Bangalore	5000
	SBI_JantarMantar	Delhi	4000
	SBI_ParliamentRoad	Delhi	3000
	SBI_ResidencyRoad	Bangalore	10000
	SBI_ShivajiRoad	Bangalore	2000
*	NULL	NULL	NULL

select\* from BankAccount;

	ACCNO	BRANCHNAME	BALANCE
▶	1	SBI_Chamrajpet	5000
	2	SBI_ResidencyRoad	10000
	3	SBI_ShivajiRoad	2000
	4	SBI_ParliamentRoad	3000
	5	SBI_JantarMantar	4000
*	NULL	NULL	NULL

select\* from BankCustomer;

	CUSTOMERNAME	CUSTOMERSTREET	CUSTOMERCITY
▶	Avinash	Bull_Temple_Road	Bangalore
	Dinesh	Bannerghatta_Road	Bangalore
	Mohan	NationalCollege_Road	Bangalore
	Nikil	Gandhi_Bazaar	Bangalore
	Ravi	Prithviraj_Road	Delhi
▲	NULL	NULL	NULL

select\* from Loan;

	LOANNUMBER	BRANCHNAME	AMOUNT
▶	L1	SBI_Chamrajpet	1000
	L2	SBI_ResidencyRoad	2000
	L3	SBI_ShivajiRoad	3000
	L4	SBI_ParliamentRoad	4000
	L5	SBI_JantarMantar	5000
★	NULL	NULL	NULL

select\* from Depositor;

	CUSTOMERNAME	ACCNO
▶	Avinash	1
	Dinesh	2
	Nikil	3
	Ravi	4
	Avinash	5
	Dinesh	1
	Nikil	2
	Nikil	3
	Dinesh	4
	Nikil	5

select BRANCHNAME, ASSETS as ASSETS\_IN\_LAKHS

from BRANCH;

	BRANCHNAME	ASSETS_IN_LAKHS
▶	SBI_Chamrajpet	5000
	SBI_JantarMantar	4000
	SBI_ParliamentRoad	3000
	SBI_ResidencyRoad	10000
	SBI_ShivajiRoad	2000
★	NULL	NULL

select d.CUSTOMERNAME

from BankAccount b , Depositor d

where b.ACCNO=d.ACCNO

group by d.CUSTOMERNAME

having count(\*)>1;

	CUSTOMERNAME
▶	Avinash
	Dinesh
	Nikil

```
create view LOANS_AT_BRANCHS  
as select BRANCHNAME, SUM(Amount)  
from Loan  
group by BRANCHNAME ;
```

```
Select * from LOANS_AT_BRANCHS;
```

	BRANCHNAME	SUM(Amount)
►	SBI_Chamrajpet	1000
	SBI_JantarMantar	5000
	SBI_ParliamentRoad	4000
	SBI_ResidencyRoad	2000
	SBI_ShivajiRoad	3000