

DBMS LAB-2

Query 1

create database Bank

use Bank;

create table Branch (
branch-name varchar (30),
branch-city varchar (30),
assets real,
primary key (branch-name);

create table Bank Customer (
customer-name varchar (30),
customer-street varchar (30),
customer-city varchar (30),
primary key (customer-name);

create table Bank Account (
accno int,
branch name varchar (30),
balance real,
primary key (accno),
foreign key (branch-name) references Branch


```
create table Depositor (  
customer name varchar (30),  
accno int,  
primary key (customer-name, accno),  
foreign key (customer-name) references  
Bank Customer (customer-name),  
foreign key (accno) references Bank Account  
(accno));  
  
create table Loan (  
loan-number int,  
branch-name varchar (30),  
Amount real,  
primary key (loan-number),  
foreign key (branch-name) references Branch  
(branch-name);
```

Query 2

use Bank;

```
insert into Branch values ('SBI - Chamrajpet',  
'Bangalore', 50000);  
insert into Branch values ('SBI - Residency Road',  
'Bangalore', 10000);
```


insert into Branch values ('SBI-Shirangi Road', Bangalore, 10000);

insert into Branch values ('SBI - Parliament Road', Bangalore, 20000);

insert into Branch values ('SBI - Jantar Mantar', Delhi, 20000);

select * from Branch;

insert into loan values (2, 'SBI - Residency Road', 2000);

insert into loan values (1, 'SBI - Champaigpet', 1000);

insert into loan values (3, 'SBI - Shiranginagar', 3000);

inserts into loan values (4, 'SBI - Parliament Road', 4000);

inserts into loan values (5, 'SBI - Jantar Mantar', 5000);

select * from loan;

Insert into Bank Account values (1, 'SBI - Champaigpet', 2000);

insert into Bank Account values (2, 'SBI - Residency Road', 5000);

insert into Bank Account value (3, 'SBI - Shirangi Road', 3000);


```

insert into Depositer values ('Avinash', 1)
insert into Depositer values ('Dineeth', 2)
insert into Depositer values ('Nikhil', 4)
insert into Depositer values ('Ravi', 5)
insert into Depositer values ('Avinash', 8)
insert into Depositer values ('Nikhil', 9)
insert into Depositer values ('Dineesh', 10)
insert into Depositer values ('Nikhil', 11)
select * from Depositer;

```

Query 3

Use Bank;

```

select c.customer-name
from BankCustomer c
where exists (

```

```

select d.customer-name
from Depositer d, Bank Account ba
where d.acno = ba.acno
and c.customer-name = d.customer-name
and ba.branch name = 'SBI' - Residency
Road -

```

```

group by d.customer name
having count (d.customer-name) >= 2

```


Query 4

use Bank ;

```
select distinct d . customer names
From Depositor d
where exist (
select * from Bank Account ba
where ba . accno = d . accno
and exists (
select * from Branch b
where b . branch - name = ba . branch .
name and b . branch - city = 'Delhi'));
```

Query 5

use Bank ;

```
delete from BankAccount
where branch - name in (
select branch - name
from branch
where branch - city = 'Bombay');
select * from Bank Accounts.
```