

## CSE370 : Lab 03 / Assignment 03 Data

Create the **Bank** database and then create all necessary tables below:

**Format:** CREATE DATABASE Bank\_<Your8DigitStudentID>;

CREATE DATABASE Bank\_12345678;

USE Bank\_12345678;

**create table** customer (  
customer\_id varchar(10) **not null**,  
customer\_name varchar(20) **not null**,  
customer\_street varchar(30),  
customer\_city varchar(30),  
**primary key (customer\_id);**

**create table** branch (  
branch\_name varchar(15),  
branch\_city varchar(30),  
assets int,  
**primary key (branch\_name),**  
**check (assets >= 0);**

**create table** account (  
branch\_name varchar(15),  
account\_number varchar(10) **not null**,  
balance int,  
**primary key (account\_number),**  
**check (balance >= 0);**

**create table** loan (  
loan\_number varchar(10) **not null**,  
branch\_name varchar(15),  
amount int,  
**primary key (loan\_number);**

**create table** depositor (  
customer\_id varchar(10) **not null**,  
account\_number varchar(10) **not null**,  
**primary key (customer\_id,account\_number),**  
**foreign key (customer\_id) references customer(customer\_id),**  
**foreign key (account\_number) references account(account\_number));**

**create table** borrower (

```
customer_id varchar(10) not null,  
loan_number varchar(10) not null,  
primary key (customer_id, loan_number),  
foreign key (customer_id) references customer(customer_id),  
foreign key (loan_number) references loan(loan_number));
```

Once all your tables have been created, you should insert the data below. The insertion code has been provided for you. After insertion, check that data has been correctly inserted in all tables using the “Select” query.

```
insert into customer values  
( 'C-101','Jones', 'Main', 'Harrison'),  
( 'C-201','Smith', 'North', 'Rye'),  
( 'C-211','Hayes', 'Main', 'Harrison'),  
( 'C-212','Curry', 'North', 'Rye'),  
( 'C-215','Lindsay', 'Park', 'Pittsfield'),  
( 'C-220','Turner', 'Putnam', 'Stamford'),  
( 'C-222','Williams', 'Nassau', 'Princeton'),  
( 'C-225','Adams', 'Spring', 'Pittsfield'),  
( 'C-226','Johnson', 'Alma', 'Palo Alto'),  
( 'C-233','Glenn', 'Sand Hill', 'Woodside'),  
( 'C-234','Brooks', 'Senator', 'Brooklyn'),  
( 'C-255','Green', 'Walnut', 'Stamford');
```

```
insert into branch values  
( 'Downtown', 'Brooklyn',9000000),  
( 'Redwood', 'Palo Alto',2100000),  
( 'Perryridge', 'Horseneck',1700000),  
( 'Mianus', 'Horseneck',400000),  
( 'Round Hill', 'Horseneck',8000000),  
( 'Pownal', 'Bennington',300000),  
( 'North Town', 'Rye',3700000),  
( 'Brighton', 'Brooklyn',7100000);
```

```
insert into account values  
( 'Downtown','A-101',500),  
( 'Mianus','A-215',700) ,  
( 'Perryridge','A-102',400),  
( 'Round Hill','A-305',350),  
( 'Brighton','A-201',900),
```

('Redwood','A-222',700),  
('Brighton','A-217',750);

**insert into** loan values

('L-17', 'Downtown', 1000),  
('L-23', 'Redwood', 2000),  
('L-15', 'Perryridge', 1500),  
('L-14', 'Downtown', 1500),  
('L-93', 'Mianus', 500),  
('L-11', 'Round Hill', 900),  
('L-16', 'Perryridge', 1300);

**insert into** depositor values

('C-226', 'A-101'),  
('C-201', 'A-215'),  
('C-211', 'A-102'),  
('C-220', 'A-305'),  
('C-226', 'A-201'),  
('C-101', 'A-217'),  
('C-215', 'A-222');

**insert into** borrower values

('C-101', 'L-17'),  
('C-201', 'L-23'),  
('C-211', 'L-15'),  
('C-226', 'L-14'),  
('C-212', 'L-93'),  
('C-201', 'L-11'),  
('C-222', 'L-17'),  
('C-225', 'L-16');