CSE370 : Lab 05 / HW04 Data

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

```
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.

```sql
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');
```

```sql
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);
```

```sql
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);
```

```sql
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);
```

```sql
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');
```

```sql
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');
```