CREATE DATABASE BankManagement;

USE BankManagement;

CREATE TABLE branch (

branch\_name VARCHAR(50) PRIMARY KEY,

branch\_city VARCHAR(50),

assets INTEGER

);

CREATE TABLE customer (

customer\_id VARCHAR(10) PRIMARY KEY,

customer\_name VARCHAR(50),

customer\_city VARCHAR(50),

email VARCHAR(100)

);

CREATE TABLE account (

account\_number VARCHAR(10) PRIMARY KEY,

branch\_name VARCHAR(50),

balance INTEGER,

FOREIGN KEY (branch\_name) REFERENCES branch (branch\_name)

);

CREATE TABLE loan (

loan\_number VARCHAR(10) PRIMARY KEY,

branch\_name VARCHAR(50),

amount INTEGER,

FOREIGN KEY (branch\_name) REFERENCES branch (branch\_name)

);

CREATE TABLE depositor (

customer\_name VARCHAR(50),

account\_number VARCHAR(10),

PRIMARY KEY (customer\_name, account\_number),

FOREIGN KEY (customer\_name) REFERENCES customer (customer\_name),

FOREIGN KEY (account\_number) REFERENCES account (account\_number)

);

CREATE TABLE borrower (

customer\_name VARCHAR(50),

loan\_number VARCHAR(10),

PRIMARY KEY (customer\_name, loan\_number),

FOREIGN KEY (customer\_name) REFERENCES customer (customer\_name),

FOREIGN KEY (loan\_number) REFERENCES loan (loan\_number)

);

INSERT INTO branch (branch\_name, branch\_city, assets)

VALUES

('Branch1', 'City1', 100000),

('Branch2', 'City2', 150000),

('Branch3', 'City3', 200000);

INSERT INTO customer (customer\_id, customer\_name, customer\_city, email)

VALUES

('223002075', 'Sumaiya Jamal', 'City1', 'sumaiya@gmail.com'),

('223002110', 'Ananya Roy Bristi', 'City2', 'ananya@gmail.com'),

('222902092', 'Nuren Abreshum Anonta', 'City3', 'nuren@gmail.com'),

('223002062', 'Md. Samiul Hasan Tanvir', 'City1', 'samiul@gmail.com'),

('221002411', 'Mezbah Uddin Maruf', 'City2', 'mezbah@gmail.com'),

('221002617', 'Md. Nafis Fuad Abir', 'City3', 'nafis@gmail.com'),

('221902312', 'Durjoy Kumar Pranto', 'City1', 'durjoy@gmail.com'),

('222902021', 'Saif Al Sayam', 'City2', 'saif@gmail.com'),

('222902022', 'Sagor Ahmed', 'City3', 'sagor@gmail.com'),

('222902025', 'Majedul Islam Shakib', 'City1', 'majedul@gmail.com');

INSERT INTO account (account\_number, branch\_name, balance)

VALUES

('1001', 'Branch1', 50000),

('1002', 'Branch2', 60000),

('1003', 'Branch3', 70000),

('1004', 'Branch1', 55000),

('1005', 'Branch2', 65000);

INSERT INTO loan (loan\_number, branch\_name, amount)

VALUES

('2001', 'Branch1', 30000),

('2002', 'Branch2', 40000),

('2003', 'Branch3', 50000);

INSERT INTO depositor (customer\_name, account\_number)

VALUES

('Sumaiya Jamal', '1001'),

('Ananya Roy Bristi', '1002'),

('Nuren Abreshum Anonta', '1003'),

('Md. Samiul Hasan Tanvir', '1004'),

('Mezbah Uddin Maruf', '1005');

INSERT INTO borrower (customer\_name, loan\_number)

VALUES

('Sumaiya Jamal', '2001'),

('Ananya Roy Bristi', '2002'),

('Nuren Abreshum Anonta', '2003');

SELECT \* FROM branch;

SELECT \* FROM customer;

SELECT \* FROM account;

SELECT \* FROM loan;

SELECT \* FROM depositor;

SELECT \* FROM borrower;