-- Create Account table

CREATE TABLE Account (

Acc\_no INT PRIMARY KEY,

branch\_name VARCHAR(50),

balance DECIMAL(10, 2),

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

);

-- Create Branch table

CREATE TABLE Branch (

branch\_name VARCHAR(50) PRIMARY KEY,

branch\_city VARCHAR(50),

assets DECIMAL(10, 2)

);

-- Create Customer table

CREATE TABLE Customer (

cust\_name VARCHAR(50) PRIMARY KEY,

cust\_street VARCHAR(50),

cust\_city VARCHAR(50)

);

-- Create Depositor table

CREATE TABLE Depositor (

cust\_name VARCHAR(50),

acc\_no INT,

PRIMARY KEY (cust\_name, acc\_no),

FOREIGN KEY (cust\_name) REFERENCES Customer(cust\_name),

FOREIGN KEY (acc\_no) REFERENCES Account(Acc\_no)

);

-- Create Loan table

CREATE TABLE Loan (

loan\_no INT PRIMARY KEY,

branch\_name VARCHAR(50),

amount DECIMAL(10, 2),

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

);

-- Create Borrower table

CREATE TABLE Borrower (

cust\_name VARCHAR(50),

loan\_no INT,

PRIMARY KEY (cust\_name, loan\_no),

FOREIGN KEY (cust\_name) REFERENCES Customer(cust\_name),

FOREIGN KEY (loan\_no) REFERENCES Loan(loan\_no)

);

-- 1. Find the names of all branches in loan relation.

SELECT DISTINCT branch\_name FROM Loan;

-- 2. Find all loan numbers for loans made at 'Wadia College' Branch with loan amount > 12000.

SELECT loan\_no FROM Loan WHERE branch\_name = 'Wadia College' AND amount > 12000;

-- 3. Find all customers who have a loan from bank.

SELECT DISTINCT c.cust\_name, b.loan\_no, l.amount

FROM Customer c

JOIN Borrower b ON c.cust\_name = b.cust\_name

JOIN Loan l ON b.loan\_no = l.loan\_no;

-- 4. List all customers in alphabetical order who have loan from 'Wadia College' branch.

SELECT DISTINCT c.cust\_name

FROM Customer c

JOIN Borrower b ON c.cust\_name = b.cust\_name

JOIN Loan l ON b.loan\_no = l.loan\_no

WHERE l.branch\_name = 'Wadia College'

ORDER BY c.cust\_name;

-- 5. Display distinct cities of branch.

SELECT DISTINCT branch\_city FROM Branch;