**SCHEMA CREATION**

CREATE DATABASE bankdb;

USE bankdb;

**TABLE CREATION**

CREATE TABLE Customers (

CustomerID INT PRIMARY KEY,

Name VARCHAR(100),

DOB DATE,

Balance DECIMAL(10,2),

LastModified DATETIME,

IsVIP BOOLEAN DEFAULT FALSE

);

CREATE TABLE Accounts (

AccountID INT PRIMARY KEY,

CustomerID INT,

AccountType VARCHAR(20),

Balance DECIMAL(10,2),

LastModified DATETIME,

FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)

);

CREATE TABLE Transactions (

TransactionID INT PRIMARY KEY,

AccountID INT,

TransactionDate DATE,

Amount DECIMAL(10,2),

TransactionType VARCHAR(10),

FOREIGN KEY (AccountID) REFERENCES Accounts(AccountID)

);

CREATE TABLE Loans (

LoanID INT PRIMARY KEY,

CustomerID INT,

LoanAmount DECIMAL(10,2),

InterestRate DECIMAL(5,2),

StartDate DATE,

EndDate DATE,

FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)

);

CREATE TABLE Employees (

EmployeeID INT PRIMARY KEY,

Name VARCHAR(100),

Position VARCHAR(50),

Salary DECIMAL(10,2),

Department VARCHAR(50),

HireDate DATE

);

**DATA INSERTION**

INSERT INTO Customers VALUES (1, 'John Doe', '1985-05-15', 1000, NOW(), FALSE);

INSERT INTO Customers VALUES (2, 'Jane Smith', '1958-03-10', 12000, NOW(), FALSE);

INSERT INTO Accounts VALUES (1, 1, 'Savings', 1000, NOW());

INSERT INTO Accounts VALUES (2, 2, 'Checking', 1500, NOW());

INSERT INTO Loans VALUES (1, 2, 5000, 5.00, CURDATE(), DATE\_ADD(CURDATE(), INTERVAL 60 MONTH));

INSERT INTO Employees VALUES (1, 'Alice Johnson', 'Manager', 70000, 'HR', '2015-06-15');