-- Create Customers table

CREATE TABLE Customers (

CustomerID INTEGER PRIMARY KEY,

CustomerName TEXT,

Age INTEGER,

Balance REAL,

IsVIP BOOLEAN DEFAULT FALSE,

LoanInterestRate REAL

);

-- Create Loans table

CREATE TABLE Loans (

LoanID INTEGER PRIMARY KEY,

CustomerID INTEGER,

DueDate TEXT,

FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)

);

-- Insert Customers

INSERT INTO Customers VALUES

(1, 'Rahul Sharma', 65, 15000.00, FALSE, 7.5),

(2, 'Priya Verma', 45, 8500.00, FALSE, 8.0),

(3, 'Amitabh Joshi', 61, 12000.00, FALSE, 9.0),

(4, 'Neha Kapoor', 30, 9500.00, FALSE, 7.8),

(5, 'Ramesh Iyer', 72, 10500.00, FALSE, 8.2);

-- Insert Loans

INSERT INTO Loans VALUES

(101, 1, '2025-07-05'),

(102, 2, '2025-08-10'),

(103, 3, '2025-07-15'),

(104, 4, '2025-06-25'),

(105, 5, '2025-08-20');

**Scenario 1:The bank wants to apply a discount to loan interest rates for customers above 60 years old.**

-- Apply 1% interest discount for age > 60

UPDATE Customers

SET LoanInterestRate = LoanInterestRate - 1

WHERE Age > 60;

**Scenario 2: A customer can be promoted to VIP status based on their balance.**

-- Promote customers to VIP if balance > 10000

UPDATE Customers

SET IsVIP = TRUE

WHERE Balance > 10000;

**Scenario 3:The bank wants to send reminders to customers whose loans are due within the next 30 days.**

-- Show loan reminders (due between 2025-06-21 and 2025-07-21)

SELECT

'Reminder: Loan ID ' || l.LoanID ||

' for customer ' || c.CustomerName ||

' is due on ' || l.DueDate AS Reminder\_Message

FROM Loans l

JOIN Customers c ON l.CustomerID = c.CustomerID

WHERE l.DueDate BETWEEN '2025-06-21' AND '2025-07-21';

-- Show final customer records

SELECT \* FROM Customers;

