SET client\_min\_messages TO WARNING;

DROP TABLE IF EXISTS Transactions;

DROP TABLE IF EXISTS Accounts;

DROP TABLE IF EXISTS Loans;

DROP TABLE IF EXISTS Employees;

DROP TABLE IF EXISTS Customers;

CREATE TABLE Customers (

CustomerID INTEGER PRIMARY KEY,

Name VARCHAR(100),

DOB DATE,

Balance NUMERIC,

LastModified DATE,

IsVIP BOOLEAN DEFAULT FALSE

);

CREATE TABLE Accounts (

AccountID INTEGER PRIMARY KEY,

CustomerID INTEGER REFERENCES Customers(CustomerID),

AccountType VARCHAR(20),

Balance NUMERIC,

LastModified DATE

);

CREATE TABLE Transactions (

TransactionID INTEGER PRIMARY KEY,

AccountID INTEGER REFERENCES Accounts(AccountID),

TransactionDate DATE,

Amount NUMERIC,

TransactionType VARCHAR(10)

);

CREATE TABLE Loans (

LoanID INTEGER PRIMARY KEY,

CustomerID INTEGER REFERENCES Customers(CustomerID),

LoanAmount NUMERIC,

InterestRate NUMERIC,

StartDate DATE,

EndDate DATE

);

CREATE TABLE Employees (

EmployeeID INTEGER PRIMARY KEY,

Name VARCHAR(100),

Position VARCHAR(50),

Salary NUMERIC,

Department VARCHAR(50),

HireDate DATE

);

INSERT INTO Customers VALUES

(1, 'PRIYA', '1990-06-15', 15000, CURRENT\_DATE, FALSE),

(2, 'JAMES', '1978-11-03', 4500, CURRENT\_DATE, FALSE),

(3, 'SNEHA', '2000-01-22', 25000, CURRENT\_DATE, FALSE),

(4, 'VIKRAM', '1982-08-19', 800, CURRENT\_DATE, FALSE);

INSERT INTO Loans VALUES

(1, 1, 12000, 6.5, CURRENT\_DATE, CURRENT\_DATE + INTERVAL '45 days'),

(2, 3, 5000, 5.0, CURRENT\_DATE, CURRENT\_DATE + INTERVAL '15 days'),

(3, 2, 3000, 4.5, CURRENT\_DATE, CURRENT\_DATE + INTERVAL '25 days');

UPDATE Customers

SET IsVIP = (Balance > 10000);

SELECT

l.LoanID,

c.Name AS CustomerName,

TO\_CHAR(l.EndDate, 'DD-Mon-YYYY') AS DueDate

FROM Loans l

JOIN Customers c ON c.CustomerID = l.CustomerID

WHERE l.EndDate BETWEEN CURRENT\_DATE AND CURRENT\_DATE + INTERVAL '30 days';

SELECT

CustomerID,

Name,

Balance,

CASE WHEN IsVIP THEN 'Yes' ELSE 'No' END AS VIP\_Status

FROM Customers;