CREATE TABLE Customers (

CustomerID NUMBER PRIMARY KEY,

Name VARCHAR2(100),

Age NUMBER,

Balance NUMBER,

IsVIP CHAR(1) DEFAULT 'N'

);

CREATE TABLE Loans (

LoanID NUMBER PRIMARY KEY,

CustomerID NUMBER REFERENCES Customers(CustomerID),

LoanAmount NUMBER,

InterestRate NUMBER,

DueDate DATE

);

INSERT INTO Customers VALUES (1, 'Alice', 65, 15000, 'N');

INSERT INTO Customers VALUES (2, 'Bob', 45, 8000, 'N');

INSERT INTO Customers VALUES (3, 'Charlie', 70, 12000, 'N');

INSERT INTO Loans VALUES (101, 1, 100000, 8.5, SYSDATE + 10);

INSERT INTO Loans VALUES (102, 2, 50000, 9.0, SYSDATE + 40);

INSERT INTO Loans VALUES (103, 3, 75000, 7.5, SYSDATE + 5);

COMMIT;

**SCENARIO 1: Discount Interest Rate for Customers Age > 60**

BEGIN

FOR rec IN (

SELECT l.LoanID

FROM Loans l

JOIN Customers c ON l.CustomerID = c.CustomerID

WHERE c.Age > 60

) LOOP

UPDATE Loans

SET InterestRate = InterestRate - (InterestRate \* 0.01)

WHERE LoanID = rec.LoanID;

END LOOP;

COMMIT;

DBMS\_OUTPUT.PUT\_LINE('1% discount applied for customers above 60.');

END;

/

**SCENARIO 2: Set VIP Flag for Balance > 10,000**

BEGIN

FOR rec IN (SELECT CustomerID FROM Customers WHERE Balance > 10000) LOOP

UPDATE Customers

SET IsVIP = 'Y'

WHERE CustomerID = rec.CustomerID;

END LOOP;

COMMIT;

DBMS\_OUTPUT.PUT\_LINE('VIP flag updated for high-balance customers.');

END;

/

**SCENARIO 3: Send Loan Reminders for Due Dates in 30 Days**

BEGIN

FOR rec IN (

SELECT c.Name, l.LoanID, l.DueDate

FROM Loans l

JOIN Customers c ON l.CustomerID = c.CustomerID

WHERE l.DueDate BETWEEN SYSDATE AND SYSDATE + 30

) LOOP

DBMS\_OUTPUT.PUT\_LINE('Reminder: ' || rec.Name ||

', your loan (Loan ID: ' || rec.LoanID ||

') is due on ' || TO\_CHAR(rec.DueDate, 'DD-Mon-YYYY') || '.');

END LOOP;

END;

/

OUTPUT:

