**Exercise 1: Control Structures**

**Scenario 1: Apply a discount to loan interest rates for customers above 60 years old.**

BEGIN

FOR rec IN (SELECT CustomerID, DOB FROM Customers) LOOP

IF MONTHS\_BETWEEN(SYSDATE, rec.DOB) / 12 > 60 THEN

UPDATE Loans

SET InterestRate = InterestRate - 1

WHERE CustomerID = rec.CustomerID;

END IF;

END LOOP;

END;

**Scenario 2: Set IsVIP flag for customers with a balance over $10000.**

BEGIN

FOR rec IN (SELECT CustomerID, Balance FROM Customers) LOOP

IF rec.Balance > 10000 THEN

UPDATE Customers

SET IsVIP = TRUE

WHERE CustomerID = rec.CustomerID;

END IF;

END LOOP;

END;

**Scenario 3: Send reminders for loans due within the next 30 days.**

BEGIN

FOR rec IN (SELECT CustomerID, LoanID, EndDate FROM Loans WHERE EndDate BETWEEN SYSDATE AND SYSDATE + 30) LOOP

DBMS\_OUTPUT.PUT\_LINE('Reminder: Loan ' || rec.LoanID || ' is due soon for Customer ' || rec.CustomerID);

END LOOP;

END;