Exercise 1: Control Structures

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

BEGIN

FOR customer IN (SELECT \* FROM Customers) LOOP

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

UPDATE Loans

SET InterestRate = InterestRate - 1

WHERE CustomerID = customer.CustomerID;

END IF;

END LOOP;

END;;

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

BEGIN

FOR customer IN (SELECT \* FROM Customers) LOOP

IF customer.Balance > 10000 THEN

UPDATE Customers

SET IsVIP = TRUE

WHERE CustomerID = customer.CustomerID;

END IF;

END LOOP;

END;

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

BEGIN

FOR loan IN (SELECT \* FROM Loans WHERE EndDate <= SYSDATE + 30) LOOP

DBMS\_OUTPUT.PUT\_LINE('Reminder: Loan ' || loan.LoanID || ' for Customer ' || loan.CustomerID || ' is due within the next 30 days.');

END LOOP;

END;