**Exercise 1: Control Structures**

**Scenario 1: Apply 1% Discount to Interest Rates for Senior Customers**

BEGIN

FOR rec IN (SELECT customer\_id, age FROM customers) LOOP

IF rec.age > 60 THEN

UPDATE loans

SET interest\_rate = interest\_rate - 1

WHERE customer\_id = rec.customer\_id;

END IF;

END LOOP;

COMMIT;

END;

**Scenario 2: Promote Customers to VIP Based on Balance**

BEGIN

FOR rec IN (SELECT customer\_id, balance FROM customers) LOOP

IF rec.balance > 10000 THEN

UPDATE customers

SET IsVIP = 'TRUE'

WHERE customer\_id = rec.customer\_id;

END IF;

END LOOP;

COMMIT;

END;

**Scenario 3: Send Reminders for Loans Due in Next 30 Days**

BEGIN

FOR rec IN (

SELECT l.loan\_id, l.due\_date, c.customer\_id, c.name

FROM loans l

JOIN customers c ON l.customer\_id = c.customer\_id

WHERE l.due\_date BETWEEN SYSDATE AND SYSDATE + 30

) LOOP

DBMS\_OUTPUT.PUT\_LINE('Reminder: Loan ID ' || rec.loan\_id ||

' for customer ' || rec.name ||

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

END LOOP;

END;