**Exercise 1: Control Structures**

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

BEGIN

FOR rec IN (SELECT LoanID, InterestRate FROM Loans

JOIN Customers ON Loans.CustomerID = Customers.CustomerID

WHERE (SYSDATE - Customers.DOB) / 365 > 60) LOOP

UPDATE Loans

SET InterestRate = InterestRate - 0.01

WHERE LoanID = rec.LoanID;

END LOOP;

COMMIT;

END;

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**Scenario 2:** Promote customers to VIP status based on their balance.

BEGIN

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

UPDATE Customers

SET IsVIP = 'TRUE'

WHERE CustomerID = rec.CustomerID;

END LOOP;

COMMIT;

END;

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**Scenario 3:** Send reminders to customers whose loans are due within the next 30 days.

BEGIN

FOR rec IN (SELECT LoanID, CustomerID, EndDate FROM Loans

WHERE EndDate BETWEEN SYSDATE AND SYSDATE + 30) LOOP

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

END LOOP;

END;

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