# Exercise 1: Control Structures - PL/SQL

## Scenario 1: Apply Discount to Senior Customers

BEGIN  
 FOR rec IN (SELECT CustomerID, InterestRate, Age FROM Customers) LOOP  
 IF rec.Age > 60 THEN  
 UPDATE Customers  
 SET InterestRate = InterestRate - 1  
 WHERE CustomerID = rec.CustomerID;  
 END IF;  
 END LOOP;  
 COMMIT;  
END;

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

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;  
 COMMIT;  
END;

## Scenario 3: Loan Due Reminders for Next 30 Days

BEGIN  
 FOR rec IN (  
 SELECT CustomerID, LoanID, DueDate FROM Loans  
 WHERE DueDate BETWEEN SYSDATE AND SYSDATE + 30  
 ) LOOP  
 DBMS\_OUTPUT.PUT\_LINE('Reminder: Loan ' || rec.LoanID || ' for Customer ' || rec.CustomerID ||  
 ' is due on ' || TO\_CHAR(rec.DueDate, 'DD-MON-YYYY'));  
 END LOOP;  
END;