EXERCISE 6

**Scenario 1: Generate monthly statements for all customers**

DECLARE

CURSOR transactions\_cur IS

SELECT CustomerID, TransactionDate, Amount, TransactionType

FROM Transactions

WHERE TransactionDate BETWEEN TRUNC(SYSDATE, 'MM') AND LAST\_DAY(SYSDATE);

BEGIN

FOR transaction\_rec IN transactions\_cur LOOP

DBMS\_OUTPUT.PUT\_LINE('Customer ID: ' || transaction\_rec.CustomerID ||

' Date: ' || TO\_CHAR(transaction\_rec.TransactionDate, 'YYYY-MM-DD') ||

' Amount: ' || transaction\_rec.Amount ||

' Type: ' || transaction\_rec.TransactionType);

END LOOP;

END;

/

**Scenario 2: List all employees in a given department**

DECLARE

CURSOR employees\_cur IS

SELECT EmployeeID, Name, Department

FROM Employees

WHERE Department = 'Sales';

BEGIN

FOR employee\_rec IN employees\_cur LOOP

DBMS\_OUTPUT.PUT\_LINE('Employee ID: ' || employee\_rec.EmployeeID ||

' Name: ' || employee\_rec.Name ||

' Department: ' || employee\_rec.Department);

END LOOP;

END;

/

**Scenario 3: Iterate through all products and apply a discount**

DECLARE

CURSOR products\_cur IS

SELECT ProductID, Name, Price

FROM Products;

BEGIN

FOR product\_rec IN products\_cur LOOP

UPDATE Products

SET Price = Price \* 0.90

WHERE ProductID = product\_rec.ProductID;

DBMS\_OUTPUT.PUT\_LINE('Product ID: ' || product\_rec.ProductID ||

' Name: ' || product\_rec.Name ||

' New Price: ' || product\_rec.Price \* 0.90);

END LOOP;

COMMIT;

END;

/