**Exercise 6: Cursors**

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

* + **Question:** Write a PL/SQL block using an explicit cursor **GenerateMonthlyStatements** that retrieves all transactions for the current month and prints a statement for each customer.

ANS:

DECLARE

CURSOR c\_transactions IS

SELECT c.CustomerID, t.TransactionDate, t.Amount, t.TransactionType

FROM Transactions t

JOIN Accounts a ON t.AccountID = a.AccountID

JOIN Customers c ON a.CustomerID = c.CustomerID

WHERE t.TransactionDate BETWEEN TRUNC(SYSDATE, 'MM') AND LAST\_DAY(SYSDATE);

BEGIN

FOR rec IN c\_transactions LOOP

DBMS\_OUTPUT.PUT\_LINE('Customer ' || rec.CustomerID || ': ' || rec.TransactionType || ' of amount ' || rec.Amount || ' on ' || rec.TransactionDate);

END LOOP;

END;