**Exercise 6: Cursors**

**-- Scenario 1**

DECLARE

CURSOR cur IS

SELECT C.CustomerID, C.Name, T.Amount, T.TransactionDate

FROM Customers C JOIN Accounts A ON C.CustomerID = A.CustomerID

JOIN Transactions T ON A.AccountID = T.AccountID

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

BEGIN

FOR r IN cur LOOP

DBMS\_OUTPUT.PUT\_LINE('Customer ' || r.Name || ' made transaction of ' || r.Amount || ' on ' || TO\_CHAR(r.TransactionDate, 'DD-MON-YYYY'));

END LOOP;

END;

/

**-- Scenario 2**

DECLARE

CURSOR c IS SELECT AccountID FROM Accounts;

BEGIN

FOR r IN c LOOP

UPDATE Accounts SET Balance = Balance - 100 WHERE AccountID = r.AccountID;

END LOOP;

COMMIT;

END;

/

**-- Scenario 3**

DECLARE

CURSOR c IS SELECT LoanID FROM Loans;

BEGIN

FOR r IN c LOOP

UPDATE Loans SET InterestRate = InterestRate + 0.5 WHERE LoanID = r.LoanID;

END LOOP;

COMMIT;

END;

/