--Scenario 1

DECLARE

CURSOR c\_Transactions IS

SELECT CustomerID, TransactionDate, TransactionType, Amount

FROM Transactions

WHERE EXTRACT(MONTH FROM TransactionDate) = EXTRACT(MONTH FROM SYSDATE)

AND EXTRACT(YEAR FROM TransactionDate) = EXTRACT(YEAR FROM SYSDATE);

v\_CustomerID Transactions.CustomerID%TYPE;

v\_TransactionDate Transactions.TransactionDate%TYPE;

v\_TransactionType Transactions.TransactionType%TYPE;

v\_Amount Transactions.Amount%TYPE;

BEGIN

OPEN c\_Transactions;

LOOP

FETCH c\_Transactions INTO v\_CustomerID, v\_TransactionDate, v\_TransactionType, v\_Amount;

EXIT WHEN c\_Transactions%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE('Customer ID: ' || v\_CustomerID || ', Date: ' || v\_TransactionDate ||

', Type: ' || v\_TransactionType || ', Amount: ' || v\_Amount);

END LOOP;

CLOSE c\_Transactions;

END;

/

--Scenario 2

DECLARE

CURSOR c\_Accounts IS

SELECT AccountID, Balance

FROM Accounts;

v\_AccountID Accounts.AccountID%TYPE;

v\_Balance Accounts.Balance%TYPE;

v\_AnnualFee CONSTANT NUMBER := 50;

BEGIN

OPEN c\_Accounts;

LOOP

FETCH c\_Accounts INTO v\_AccountID, v\_Balance;

EXIT WHEN c\_Accounts%NOTFOUND;

v\_Balance := v\_Balance - v\_AnnualFee;

UPDATE Accounts

SET Balance = v\_Balance

WHERE AccountID = v\_AccountID;

END LOOP;

CLOSE c\_Accounts;

COMMIT;

END;

/

--Scenario 3

DECLARE

CURSOR c\_Loans IS

SELECT LoanID, InterestRate

FROM Loans;

v\_LoanID Loans.LoanID%TYPE;

v\_InterestRate Loans.InterestRate%TYPE;

BEGIN

OPEN c\_Loans;

LOOP

FETCH c\_Loans INTO v\_LoanID, v\_InterestRate;

EXIT WHEN c\_Loans%NOTFOUND;

v\_InterestRate := v\_InterestRate + 1;

UPDATE Loans

SET InterestRate = v\_InterestRate

WHERE LoanID = v\_LoanID;

END LOOP;

CLOSE c\_Loans;

COMMIT;

END;

/