# Solution

**Scenario: 1**
```
DECLARE
    CURSOR c06 IS
        SELECT c.CustomerID, c.Name, t.TransactionDate, t.Amount
        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)
ORDER BY c.CustomerID, t.TransactionDate;
    v_CustomerID Customers.CustomerID%TYPE := NULL;
    v_Name Customers.Name%TYPE;
    v_TransactionDate Transactions.TransactionDate%TYPE;
    v_Amount Transactions.Amount%TYPE;
    v_TotalAmount NUMBER := 0;
BEGIN
    OPEN c06;
    LOOP
        FETCH c06 INTO v_CustomerID, v_Name, v_TransactionDate,
v_Amount;
        EXIT WHEN c06%NOTFOUND;
            IF v_CustomerID IS NOT NULL THEN
             IF v_CustomerID != NVL(v_CustomerID, v_CustomerID) THEN
                 DBMS_OUTPUT.PUT_LINE('Monthly Statement for Customer
ID: ' || v_CustomerID || ', Name: ' || v_Name);
                 v_TotalAmount := 0;
             END IF;
        END IF;
        DBMS_OUTPUT.PUT_LINE('Date: ' || TO_CHAR(v_TransactionDate,
'YYYY-MM-DD') || ', Amount: ' || v_Amount);
        v_TotalAmount := v_TotalAmount + v_Amount;
            IF c06%NOTFOUND OR v_CustomerID != NVL(v_CustomerID,
v_CustomerID) THEN
            DBMS_OUTPUT.PUT_LINE('Total Amount: ' || v_TotalAmount);
            DBMS_OUTPUT.PUT_LINE('');
        END IF;
    END LOOP;
    CLOSE c06;
END;
/
```

**Scenario: 2**
```
DECLARE
    CURSOR c06b IS SELECT AccountID, Balance FROM Accounts;
```

```
    v_AccountID Accounts.AccountID%TYPE;
    v_Balance Accounts.Balance%TYPE;
    v_AnnualFee NUMBER := 100;
BEGIN
    OPEN c06b;
    LOOP
        FETCH c06b INTO v_AccountID, v_Balance;
        EXIT WHEN c06b%NOTFOUND;
        UPDATE Accounts
        SET Balance = v_Balance - v_AnnualFee
        WHERE AccountID = v_AccountID;
        END LOOP;
    CLOSE c06b;
    COMMIT;
END;
/
```

## Scenario: 3

```
DECLARE
    CURSOR c_loans IS SELECT LoanID, InterestRate FROM Loans;
    v_LoanID Loans.LoanID%TYPE;
    v_OldInterestRate Loans.InterestRate%TYPE;
    v_NewInterestRate Loans.InterestRate%TYPE;
    v_NewInterestRatePolicy NUMBER := 10;
BEGIN
    OPEN c_loans;
    LOOP
        FETCH c_loans INTO v_LoanID, v_OldInterestRate;
        EXIT WHEN c_loans%NOTFOUND;
        UPDATE Loans
        SET InterestRate = v_NewInterestRatePolicy
        WHERE LoanID = v_LoanID;
    END LOOP;
    CLOSE c_loans;
    COMMIT;
 END;
/
```