```vb
1  'Doug Cluff
2  'RCET0265
3  'Asg3-3
4  'Inventory Calculator Program
5  'https://github.com/clufdoug/DAC-VS-F19/tree/master/Assignments/Asg3-3/gInventory
6
7  Option Explicit On
8  Option Strict On
9  Public Class InventoryCalc
10
11     Dim begInventory As Integer
12     Dim endInventory As Integer
13     Dim avgInventory As Double
14     Dim goodSold As Double
15     Dim turnover As Double
16     Dim errorMsg As String
17
18     Private Sub Calculate_Button_Click(sender As Object, e As EventArgs) Handles  ⮡
           CalculateButton.Click
19         TestValues()
20     End Sub
21
22     Sub TestValues()
23         errorMsg = ""
24
25         Try
26             begInventory = Integer.Parse(GoodSoldTextBox.Text)
27         Catch ex As FormatException
28             errorMsg = "Goods Sold must be a Number"
29             GoodSoldTextBox.Clear()
30             GoodSoldTextBox.Focus()
31         End Try
32
33         Try
34             begInventory = Integer.Parse(EndInvTextBox.Text)
35         Catch ex As FormatException
36             errorMsg = "Ending Inventory must be a Number"
37             EndInvTextBox.Clear()
38             EndInvTextBox.Focus()
39         End Try
40
41         Try
42             begInventory = Integer.Parse(BegInvTextBox.Text)
43         Catch ex As FormatException
44             errorMsg = "Beginning Inventory must be a Number"
45             BegInvTextBox.Clear()
46             BegInvTextBox.Focus()
47         End Try
48
49         If errorMsg <> "" Then
50             MessageBox.Show(errorMsg, "Error")
51         Else
```

```vb
52                setvar()
53                InventoryCalculation()
54                TurnoverCalculation()
55            End If
56
57        End Sub
58        Sub setvar()
59            begInventory = Integer.Parse(BegInvTextBox.Text)
60            endInventory = Integer.Parse(EndInvTextBox.Text)
61            goodSold = Double.Parse(GoodSoldTextBox.Text)
62        End Sub
63        Private Sub ClearButton_Click(sender As Object, e As EventArgs) Handles        ⇽
            ClearButton.Click
64            BegInvTextBox.Clear()
65            EndInvTextBox.Clear()
66            GoodSoldTextBox.Clear()
67            TurnoverTextBox.Clear()
68            AvgInvTextBox.Clear()
69        End Sub
70
71        Private Sub ExitButton_Click(sender As Object, e As EventArgs) Handles         ⇽
            ExitButton.Click
72            Me.Close()
73        End Sub
74
75        Private Sub InventoryCalculation()
76            Console.WriteLine("Inventory Calculations")
77            avgInventory = (begInventory + endInventory) / 2
78            Console.WriteLine(avgInventory)
79            AvgInvTextBox.Text = (avgInventory.ToString("C"))
80        End Sub
81
82        Private Sub TurnoverCalculation()
83            Console.WriteLine("Turnover Calculations")
84            turnover = goodSold / avgInventory
85            Console.WriteLine(turnover)
86            TurnoverTextBox.Text = (turnover.ToString("G2"))
87        End Sub
88  End Class
89
```