

Next to each line in the Load method, write the output. Use the margins to trace the code & show your scratchwork.

Public Class Form1

Private Sub Form1_Load(. . .)

Label1.Text = ComputeAverage(4, 2)	1	_____	
Label2.Text = FindMedian(5, 8, 1)		2	_____
Label3.Text = ComputeAverage(5, 2)	3	_____	
Label4.Text = ComputeAverage2(5, 2)		4	_____
Label5.Text = ComputeAverage(10 + 2, 10)	5	_____	
Label6.Text = IsOverLimit(10000/2000)		6	_____
Label7.Text = IsOverLimit2(5)	7	_____	
Label8.Text = AddRange(5, 8)		8	_____
Label9.Text = AddRange2(8, 5)	9	_____	
Label10.Text = AddRange2(5, 5)		10	_____

End Sub

Private Function ComputeAverage(ByVal intNum1 As Integer, ByVal intNum2 As Integer) As Double

Dim dblSum As Double = intNum1 + intNum2
Return dblSum / 2

End Function

Private Function ComputeAverage2(ByVal x As Integer, ByVal y As Integer) As Integer

Return (x + y) / 2

End Function

Private Function FindMedian(ByVal x As Integer, ByVal y As Integer, ByVal z As Integer) As Integer

Return (x + y + z) - Math.Max(x, Math.Max(y, z)) - Math.Min(x, Math.Min(y, z))

End Function

Private Function IsOverLimit(ByVal intNum As Integer) As Boolean

If (intNum > 500) Then
Return True
End If

Return False

End Function

Private Function IsOverLimit2(ByVal intNum As Integer) As Integer

If (IsOverLimit(intNum) = True) Then
Return 1
End If

Return 0

End Function

Private Function AddRange(ByVal intNum1 As Integer, ByVal intNum2 As Integer) As Integer

Dim intTemp As Integer = 0
Dim i As Integer = 0

For i = intNum1 To intNum2
intTemp += i
Next

Return intTemp

End Function

Private Function AddRange2(ByVal intNum1 As Integer, ByVal intNum2 As Integer) As Integer

If (intNum1 = intNum2) Then
Return intNum1
ElseIf (intNum2 < intNum1) Then
Return AddRange(intNum2, intNum1)
End If

Return AddRange(intNum1, intNum2)

End Function

End Class