```vb
1  'Tyler Hattan
2  'Project 4-2
3  '9/8/2020
4  'Calculates invoice total
5
6
7  Public Class frmInvoiceTotal
8
9      Dim numberofInvoices As Integer
10     Dim totalOfInvoices As Decimal
11     Dim invoiceAverage As Decimal
12     Dim largestInvoice As Decimal = 0
13     Dim smallestInvoice As Decimal = 99999999
14     Dim midPoint As Decimal
15
16
17     'NOTE: the Handles keyword is the wire for this event handler
18     Private Sub btnCalculate_Click(sender As Object,
19             e As EventArgs) Handles btnCalculate.Click
20
21         Dim subtotal As Decimal = CDec(txtSubtotal.Text) ' CDec is Convert to      ⮧
             Decimal
22         Dim discountPercent As Decimal = 0.25D    ' NOTE: the D means that this is  ⮧
             a decimal literal vs a double literal which is the default
23         Dim discountAmount As Decimal = Math.Round(subtotal * discountPercent, 2)
24         Dim invoiceTotal As Decimal = subtotal - discountAmount
25
26         txtSubtotal.Text = FormatCurrency(subtotal)
27         txtLastSubtotal.Text = FormatCurrency(subtotal)
28         txtDiscountPercent.Text = FormatPercent(discountPercent, 1) ' format        ⮧
             discount percent with % and 1 decimal position
29         txtDiscountAmount.Text = FormatCurrency(discountAmount)
30         txtTotal.Text = FormatCurrency(invoiceTotal)  ' or use the ToString with    ⮧
             the currency format specifier
31
32         numberofInvoices += 1
33         totalOfInvoices += invoiceTotal
34         invoiceAverage = totalOfInvoices / numberofInvoices
35         largestInvoice = Math.Max(largestInvoice, subtotal)
36         smallestInvoice = Math.Min(smallestInvoice, subtotal)
37
38
39         txtInvoiceNumber.Text = numberofInvoices.ToString
40         txtInvoiceTotal.Text = FormatCurrency(totalOfInvoices)
41         txtInvoiceAverage.Text = FormatCurrency(invoiceAverage)
42         txtLargestInvoice.Text = FormatCurrency(largestInvoice)
43         txtSmallestInvoice.Text = FormatCurrency(smallestInvoice)
44         If (largestInvoice - smallestInvoice) > 0 Then
45             midPoint = (largestInvoice - ((largestInvoice - smallestInvoice) / 2))
46             txtMidPoint.Text = FormatCurrency(midPoint)
47         End If
48
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49              txtSubtotal.Text = ""
50              txtSubtotal.Focus()  ' returns control back to the textbox
51      End Sub
52
53      Private Sub btnExit_Click(sender As Object,
54              e As EventArgs) Handles btnExit.Click
55          Me.Close()
56      End Sub
57
58      Private Sub btnClear_Click(sender As Object, e As EventArgs) Handles        ⮡
          btnClear.Click
59          numberofInvoices = 0
60          totalOfInvoices = 0
61          invoiceAverage = 0
62          largestInvoice = 0
63          smallestInvoice = 99999999
64          midPoint = 0
65
66          txtInvoiceNumber.Text = ""
67          txtInvoiceTotal.Text = ""
68          txtInvoiceAverage.Text = ""
69          txtLargestInvoice.Text = ""
70          txtSmallestInvoice.Text = ""
71          txtMidPoint.Text = ""
72
73          txtSubtotal.Select()
74      End Sub
75
76  End Class
```