**Introduction to Loops**

This application uses the For Next loop statement, which needs a counter.

You have been given the code. You must design the form. Use the Breakpoint function to single step through the code so that you can see how the loop works.

'OddNumbersSum

'Pluchino

'Unit 5.03

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Public Class Form1

Private Sub btnSumOddNumbers\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnSumOddNumbers.Click

Dim max As Integer = Val(Me.txtMaxValue.Text)

Dim sum As Integer

Dim increment As Integer = 2

For counter As Integer = 1 To max Step increment

sum += counter 'update sum

Next counter

'Display answer

Me.lblSumMessage.Text = "The sum of the odd numbers from 1 to the maximum value is:"

Me.lblSum.Text = sum

End Sub

Private Sub txtMaxValue\_TextChanged(ByVal sender As Object, ByVal e As System.EventArgs) Handles txtMaxValue.TextChanged

Me.lblSumMessage.Text = Nothing

Me.lblSum.Text = Nothing

End Sub

Private Sub Form1\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

End Sub

Private Sub lblSumMessage\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles lblSumMessage.Click

End Sub

End Class