**Programming Exercises For Next Loops**

**Exercise # 1**

'This program will use the PC speaker to beep 4 times using the For Next Loop.

Public Class Form1

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

Dim i As Integer

For i = 1 To 4

Beep()

Next i

End Sub

End Class

**Exercise # 2**

'This program will enter numbers 1 through 10 into a list box using a counter and the For Next loop.

Public Class Form1

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

Dim counter As Integer

For counter = 1 To 10

ListBox1.Items.Add(counter)

Next

End Sub

End Class

**Exercise # 3**

'This program will calculate the sum of the numbers in steps of 10 as follows: sum=0+10+20+30+40...

' using a counter and the For Next Loop

Public Class Form1

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

Dim counter, sum As Integer

For counter = 1 To 100 Step 10

sum += counter

ListBox1.Items.Add(sum)

Next ' the program will calculate the sum of the numbers as follows: sum=0+10+20+30+40...

End Sub

End Class

**Exercise # 4**

'This program computes subtraction as follows: 1000-100-95-90-85-80...

'Notice that increment can be negative

Public Class Form1

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

Dim counter, sum As Integer

For counter = 100 To 5 Step -5

sum -= counter

ListBox1.Items.Add(sum)

Next

End Sub

End Class