**Generate Random Numbers**

Generate Random Numbers Exercise: In this exercise you will use the Do Loop function along with the Random function to generate random numbers. Note that the Rnd command has to be set to null () or the numbers will not be random. Try it with and without () and see if you can find a pattern.

Public Class Form1

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

Randomize()

Dim largestNum As Integer

Dim largestNumTemp As String

Dim num1, num2, num3 As Integer

Dim count As Integer = 0

Do

largestNumTemp = InputBox("Enter the largest number >= 3 to generate", Me.Text)

largestNum = Val(largestNumTemp)

Loop While largestNum < 3

'Generate random numbers

Do

num1 = Int(largestNum \* Rnd() + 1)

num2 = Int(largestNum \* Rnd() + 1)

num3 = Int(largestNum \* Rnd() + 1)

count += 1

Loop While (num1 = num2 Or num2 = num3 Or num1 = num3)

Me.lblNumber1.Text = num1

Me.lblNumber2.Text = num2

Me.lblNumber3.Text = num3

Me.lblAnswer.Text = count

Me.lblExplanation.Text = "loop iterations were needed to generate three unique numbers."

End Sub

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

End Sub

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

End Sub

End Class