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Thread: [Some useful code snippets](#)

Dangerous Beef - November 9, 2014, 3:04 am

Just wanted to share some of the code I'm using on the project I'm working on with you guys because I'm that nice.

A better random system(Love this).

```
Code Dim objRandom As New System.Random( _
CType(System.DateTime.Now.Ticks Mod System.Int32.MaxValue, Integer))
'Link to creators article: http://www.developerfusion.com/code/3940/random-numbers-that-work/
Public Function GetRandomNumber( _
    Optional ByVal Low As Integer = 1, _
    Optional ByVal High As Integer = 100) As Integer
    ' Returns a random number,
    ' between the optional Low and High parameters
    Return objRandom.Next(Low, High + 1)
End FunctionUsage:
```

Code GetRandomNumber(MinVal, MaxVal) 'See Reference #1

Get the average between 2 numbers.

```
Code Public Function GetAverage(ByVal val1 As Integer, val2 As Integer)
    Dim input1 As Integer = CInt(val1)
    Dim input2 As Integer = CInt(val2)
    Return (input1 + input2) / 2
End FunctionUsage:
```

Code GetAverage(Val1, Val2)

Log system, Requires a Rich text box control. (Useful for debugging.)

```
Code Public Sub AddToLog(ByVal TextToInput As String)
    rtb1_Log.Text += TextToInput
    rtb1_Log.Text += vbCrLf 'You can also use environment.NewLine for this.
    rtb1_Log.SelectionStart = rtb1_Log.Text.Length 'Set the current caret position at the end
    DebugWindow.rtb1_Log.ScrollToCaret() 'Now scroll it automatically
End SubUsage:
```

Code AddToLog("Hello World")

Get percentage between 2 numbers.

Code 'Calculate Percent of the MinVal and the MaxVal

```
Public Function GetPercent(ByVal MinVal As Long, ByVal MaxVal As Long) As Integer
    If MinVal >= MaxVal Then
        Return Int(100)
    Else
        Return Int(MinVal / MaxVal * 100 + 0.5)
    End If
```

End FunctionUsage:

Code GetPercent(MinVal, MaxVal)

Might add some more if wanted.

SIM-1847363 - November 9, 2014, 5:45 am

I like the random system the most, but the rest is still good.

