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1 Public Class Form1
2     'Private Function IsWayTooLong(ByVal numberFromZeroToFifteen As Integer) As String
3     '     If numberFromZeroToFifteen = 0 Then
4     '         Return "Your number is: Zero"
5     '     End If
6     '     If numberFromZeroToFifteen = 1 Then
7     '         Return "Your number is: One"
8     '     End If
9     '     If numberFromZeroToFifteen = 2 Then
10    '         Return "Your number is: Two"
11    '     End If
12    '     If numberFromZeroToFifteen = 3 Then
13    '         Return "Your number is: Three"
14    '     End If
15    '     If numberFromZeroToFifteen = 4 Then
16    '         Return "Your number is: Four"
17    '     End If
18    '     If numberFromZeroToFifteen = 5 Then
19    '         Return "Your number is: Five"
20    '     End If
21    '     If numberFromZeroToFifteen = 6 Then
22    '         Return "Your number is: Six"
23    '     End If
24    '     If numberFromZeroToFifteen = 7 Then
25    '         Return "Your number is: Seven"
26    '     End If
27    '     If numberFromZeroToFifteen = 8 Then
28    '         Return "Your number is: Eight"
29    '     End If
30    '     If numberFromZeroToFifteen = 9 Then
31    '         Return "Your number is: Nine"
32    '     End If
33    '     If numberFromZeroToFifteen = 10 Then
34    '         Return "Your number is: Ten"
35    '     End If
36    '     If numberFromZeroToFifteen = 11 Then
37    '         Return "Your number is: Eleven"
38    '     End If
39    '     If numberFromZeroToFifteen = 12 Then
40    '         Return "Your number is: Twelve"
41    '     End If
42    '     If numberFromZeroToFifteen = 13 Then
43    '         Return "Your number is: Thirteen"
44    '     End If
45    '     If numberFromZeroToFifteen = 14 Then
46    '         Return "Your number is: Fourteen"
47    '     End If
48    '     If numberFromZeroToFifteen = 15 Then
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49     '         Return "Your number is: Fifteen"
50     '     End If
51     '     If numberFromZeroToFifteen < 0 Then
52
53         '         Return "Your number is: Too Low"
54     '     End If
55     '     If numberFromZeroToFifteen > 15 Then
56     '         Return "Your number is: Too High"
57     '     End If
58 'End Function
59 'This is the working code from Sprints 1 and 2
60 Private Function ValidateAndConvert(ByVal convertThisString As String,
61     ByVal toThisInteger As Integer) As String
62     Dim message As String = ""
63     Try
64         toThisInteger = CInt(convertThisString)
65     Catch ex As Exception
66         message = "Must contain a number"
67         If convertThisString = "" Then message = "is empty"
68     End Try
69     Return message
70 End Function
71 'Do Not change this code other than comment/uncomment the lines indicated
72 Private Sub GetUserInput() Handles Me.Load
73     Me.Hide()
74     Dim tempNum As Integer = 0
75     Dim userMessage As String = "Please Enter A Number Between 0 and 15" _
76     & vbCrLf & "Type Q to Quit"
77     Do
78         userMessage = InputBox(userMessage, "Hello", "")
79         If userMessage <> "Q" And userMessage <> "" Then
80             userMessage = ValidateAndConvert(userMessage, tempNum)
81             If userMessage = "" Then userMessage = ShortAndSweet(tempNum)
82             'Replace this Line
83             'If userMessage = "" Then userMessage = ShortAndSweet(tempNum)
84             'With this one
85         End If
86     Loop Until userMessage = "Q" Or userMessage = ""
87     Me.Close()
88 End Sub
89 'In as few lines as possible produce the same results as the function
90 IsWayTooLong()
91 'Hint use a loop and a List or Array
92 'Also only have one return statement at the end
93 Private Function ShortAndSweet(ByVal numberFromZeroToFifteen As Integer) As String
94     Select Case numberFromZeroToFifteen
95     Case 0 : Return "Your number is: Zero"
96     Case 1 : Return "Your number is: One"

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93         Case 2 : Return "Your number is: Two"
94         Case 3 : Return "Your number is: Three"
95         Case 4 : Return "Your number is: Four"
96         Case 5 : Return "Your number is: Five"
97         Case 6 : Return "Your number is: Six"
98         Case 7 : Return "Your number is: Seven"
99         Case 8 : Return "Your number is: Eight"
100        Case 9 : Return "Your number is: Nine"
101        Case 10 : Return "Your number is: Ten"
102        Case 11 : Return "Your number is: Eleven"
103        Case 12 : Return "Your number is: Twelve"
104        Case 13 : Return "Your number is: Thirteen"
105        Case 14 : Return "Your number is: Fourteen"
106        Case 15 : Return "Your number is: Fifteen"
107        Case < 0 : Return "Your number is: Too Low"
108        Case > 15 : Return "Your number is: Too High"
109    End Select
110 End Function
111 End Class
112
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