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1 Option Explicit On
2 Option Strict Off
3 Option Compare Text
4
5 'Ben Wallace
6 'RCET0265
7 'Spring 2020
8 'Better Calculator
9 'https://github.com/wallbenj93/BLW-VS-S20
10
11 Module BetterCalculator
12
13     Sub Main()
14
15         Dim num1 As String
16         Dim num2 As String
17         Dim quitAnswer As Boolean
18         Dim promptUser As Boolean
19         Dim operationOption As String
20         Dim answer As Decimal
21
22         quitAnswer = False
23         promptUser = True
24
25         num1 = 0
26         num2 = 0
27
28         Do While quitAnswer = False
29
30             Console.WriteLine("Please enter two numbers. Enter ""Q"" at any time ↗
31             to quit.")
32             Do While promptUser = True
33                 Console.Write("Choose a number: ")
34                 num1 = Console.ReadLine()
35                 Try
36                     Convert.ToInt64(num1)
37                     Console.WriteLine("You entered """" & num1 & """"")
38                     promptUser = False
39                 Catch ex As Exception
40                     If num1 = "q" Then
41                         quitAnswer = True
42                         promptUser = False
43                     Else
44                         Console.WriteLine("You entered """" & num1 & """, please ↗
45                         enter a whole number.")
46                         promptUser = True
47                     End If
48                 End Try
49             Loop
50             promptUser = True
51             Do While promptUser = True And quitAnswer = False
52                 Console.Write("Choose a number: ")
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51         num2 = Console.ReadLine()
52         Try
53             Convert.ToInt64(num2)
54             Console.WriteLine("You entered "" & num2 & """)
55             promptUser = False
56         Catch ex As Exception
57             If num2 = "q" Then
58                 quitAnswer = True
59                 promptUser = False
60             Else
61                 Console.WriteLine("You entered "" & num2 & "", please ➤
62                     enter a whole number.")
63                 promptUser = True
64             End If
65         End Try
66     Loop
67     promptUser = True
68     operationOption = "q"
69     Do While promptUser = True And quitAnswer = False
70         Console.WriteLine("Choose one of the following options:")
71         Console.WriteLine("1. Add")
72         Console.WriteLine("2. Subtract")
73         Console.WriteLine("3. Multiply")
74         Console.WriteLine("4. Divide")
75         operationOption = Console.ReadLine()
76         If operationOption = "1" Or operationOption = "2" Or ➤
77             operationOption = "3" Or operationOption = "4" Then
78             Console.WriteLine("You entered "" & operationOption & """)
79             promptUser = False
80         ElseIf operationOption = "q" Then
81             promptUser = False
82             quitAnswer = True
83         Else
84             promptUser = True
85             Console.WriteLine("You entered "" & operationOption & """)
86         End If
87     Loop
88     promptUser = True
89     If operationOption = "6" Then
90         Console.WriteLine("????")
91     ElseIf operationOption = "1" Then
92         answer = num1 + num2
93         Console.WriteLine(num1 & " + " & num2 & " = " & answer)
94     ElseIf operationOption = "2" Then
95         answer = num1 - num2
96         Console.WriteLine(num1 & " - " & num2 & " = " & answer)
97     ElseIf operationOption = "3" Then
98         answer = num1 * num2
99         Console.WriteLine(num1 & " * " & num2 & " = " & answer)
100    ElseIf operationOption = "4" Then
101        answer = num1 / num2
102        Console.WriteLine(num1 & " / " & num2 & " = " & answer)

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101         ElseIf operationOption = "q" Then
102             'do nothing
103         Else
104             Console.WriteLine("Error to programmer: This should not be      ↗
105                 happening???)
106             Console.ReadLine()
107         End If
108     Loop
109     'If Q is entered:
110     Console.WriteLine("You entered ""q""")
111     Console.WriteLine("Have a nice day")
112     Console.WriteLine("Press enter to close this window")
113     Console.ReadLine()
114
115 End Sub
116
117 End Module
118
```