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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 Integer
16         Dim num2 As Integer
17         Dim userIn1 As String
18         Dim userIn2 As String
19         Dim quitAnswer As Boolean
20         Dim promptUser As Boolean
21         Dim operationOption As String
22         Dim answer As Decimal
23
24         quitAnswer = False
25         promptUser = True
26
27         num1 = 0
28         num2 = 0
29
30         Do While quitAnswer = False
31
32             Console.WriteLine("Please enter two numbers. Enter ""Q"" at any time ↗
33                 to quit.")
34             Do While promptUser = True
35                 Console.Write("Choose a number: ")
36                 userIn1 = Console.ReadLine()
37                 Try
38                     num1 = Convert.ToInt64(userIn1)
39                     Console.WriteLine("You entered """" & num1 & """"")
40                     promptUser = False
41                 Catch ex As Exception
42                     If userIn1 = "q" Then
43                         quitAnswer = True
44                         promptUser = False
45                     Else
46                         Console.WriteLine("You entered """" & userIn1 & """, ↗
47                             please enter a whole number.")
48                         promptUser = True
49                     End If
50                 End Try
51             End Try
52         Loop
53         promptUser = True
54     End Sub
55 End Module
```

```
51         Do While promptUser = True And quitAnswer = False
52             Console.Write("Choose a number: ")
53             userIn2 = Console.ReadLine()
54             Try
55                 num2 = Convert.ToInt64(userIn2)
56                 Console.WriteLine("You entered "" & num2 & """)
57                 promptUser = False
58             Catch ex As Exception
59                 If userIn2 = "q" Then
60                     quitAnswer = True
61                     promptUser = False
62                 Else
63                     Console.WriteLine("You entered "" & userIn2 & "",
64                                     please enter a whole number.")
65                     promptUser = True
66                 End If
67             End Try
68         Loop
69         'num1 = Convert.ToInt64(num1)
70         'num2 = Convert.ToInt64(num2)
71         promptUser = True
72         operationOption = "q"
73         Do While promptUser = True And quitAnswer = False
74             Console.WriteLine("Choose one of the following options:")
75             Console.WriteLine("1. Add")
76             Console.WriteLine("2. Subtract")
77             Console.WriteLine("3. Multiply")
78             Console.WriteLine("4. Divide")
79             operationOption = Console.ReadLine()
80             If operationOption = "1" Or operationOption = "2" Or
81                 operationOption = "3" Or operationOption = "4" Then
82                 Console.WriteLine("You entered "" & operationOption & """)
83                 promptUser = False
84             ElseIf operationOption = "q" Then
85                 promptUser = False
86                 quitAnswer = True
87             Else
88                 promptUser = True
89                 Console.WriteLine("You entered "" & operationOption & """)
90             End If
91         Loop
92         promptUser = True
93         If operationOption = "6" Then
94             Console.WriteLine("????")
95         ElseIf operationOption = "1" Then
96             answer = num1 + num2
97             Console.WriteLine(num1 & " + " & num2 & " = " & answer)
98         ElseIf operationOption = "2" Then
99             answer = num1 - num2
100             Console.WriteLine(num1 & " - " & num2 & " = " & answer)
101         ElseIf operationOption = "3" Then
102             answer = num1 * num2
```

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101         Console.WriteLine(num1 & " * " & num2 & " = " & answer)
102     ElseIf operationOption = "4" Then
103         answer = num1 / num2
104         Console.WriteLine(num1 & " / " & num2 & " = " & answer)
105     ElseIf operationOption = "q" Then
106         'do nothing
107     Else
108         Console.WriteLine("Error to programmer: This should not be      ↗
109             happening??")
110         Console.ReadLine()
111     End If
112 Loop
113 'If Q is entered:
114 Console.WriteLine("You entered ""q""")
115 Console.WriteLine("Have a nice day")
116 Console.WriteLine("Press enter to close this window")
117 Console.ReadLine()
118
119 End Sub
120
121 End Module
122
```