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1 'Nathan Comstock
2 'RCET0265
3 'Spring 2020
4 'BetterCalculator
5 'https://github.com/comsnath/NC-VS-S20
6
7 Option Strict On
8 Option Explicit On
9
10 Module BetterCalculator
11
12     Sub Main()
13         'Variables
14         Dim numOne As String
15         Dim numOneConverted As Integer
16         Dim numTwo As String
17         Dim numTwoConverted As Integer
18         Dim selectAction As String
19         Dim quitChoice As Boolean
20         Dim promptUser As Boolean
21         promptUser = True
22
23         'Start Program
24         Do While promptUser = True
25
26             'First Number Prompt
27             promptUser = True
28             Console.WriteLine("Please enter two numbers. Enter ""Q"" at any time ↵
                to quit.")
29             Do While promptUser = True
30                 Console.Write("Choose a Number: ")
31                 numOne = Console.ReadLine()
32                 Try
33                     numOneConverted = CInt(numOne)
34                     promptUser = False
35                 Catch ex As Exception
36                     If numOne = "q" Then
37                         Console.WriteLine("You entered """" + numOne + """"")
38                         Console.WriteLine("Have a nice day.")
39                         Console.WriteLine("Press enter to close this window.")
40                         Console.ReadLine()
41                         Exit Sub
42                     ElseIf numOne = "Q" Then
43                         Console.WriteLine("You entered """" + numOne + """"")
44                         Console.WriteLine("Have a nice day.")
45                         Console.WriteLine("Press enter to close this window.")
46                         Console.ReadLine()
47                         Exit Sub
48                     Else
49                         Console.WriteLine("You entered """" + numOne + """, please ↵
                            enter a whole number.")
50                         promptUser = True
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51         End If
52     End Try
53 Loop
54 Console.WriteLine("You entered "" + numOne + """)
55
56 'Second Number Prompt
57 promptUser = True
58 Do While promptUser = True
59     Console.Write("Choose a Number: ")
60     numTwo = Console.ReadLine()
61     Try
62         numTwoConverted = CInt(numTwo)
63         promptUser = False
64     Catch ex As Exception
65         If numTwo = "q" Then
66             Console.WriteLine("You entered "" + numTwo + """)
67             Console.WriteLine("Have a nice day.")
68             Console.WriteLine("Press enter to close this window.")
69             Console.ReadLine()
70             Exit Sub
71         ElseIf numTwo = "Q" Then
72             Console.WriteLine("You entered "" + numTwo + """)
73             Console.WriteLine("Have a nice day.")
74             Console.WriteLine("Press enter to close this window.")
75             Console.ReadLine()
76             Exit Sub
77         Else
78             Console.WriteLine("You entered "" + numTwo + "", please ↗
79                 enter a whole number.")
80             promptUser = True
81         End If
82     End Try
83 Loop
84 Console.WriteLine("You entered "" + numTwo + """)
85
86 'Action Selection
87 promptUser = True
88 Do While promptUser = True
89     Console.WriteLine("Choose one of the following options:")
90     Console.WriteLine("1. Add")
91     Console.WriteLine("2. Subtract")
92     Console.WriteLine("3. Multiply")
93     Console.WriteLine("4. Divide")
94     selectAction = Console.ReadLine()
95     If selectAction = "q" Then
96         Console.WriteLine("You entered "" + selectAction + """)
97         Console.WriteLine("Have a nice day.")
98         Console.WriteLine("Press enter to close this window.")
99         Console.ReadLine()
100        Exit Sub
101    ElseIf selectAction = "Q" Then
102        Console.WriteLine("You entered "" + selectAction + """)
```

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102 Console.WriteLine("Have a nice day.")
103 Console.WriteLine("Press enter to close this window.")
104 Console.ReadLine()
105 Exit Sub
106 ElseIf selectAction = "1" Then
107     Console.WriteLine("You entered "" + selectAction + """)
108     Console.WriteLine(numOne & " + " & numTwo & " = " & numOneConverted + numTwoConverted)
109     promptUser = False
110 ElseIf selectAction = "2" Then
111     Console.WriteLine("You entered "" + selectAction + """)
112     Console.WriteLine(numOne & " - " & numTwo & " = " & numOneConverted - numTwoConverted)
113     promptUser = False
114 ElseIf selectAction = "3" Then
115     Console.WriteLine("You entered "" + selectAction + """)
116     Console.WriteLine(numOne & " * " & numTwo & " = " & numOneConverted * numTwoConverted)
117     promptUser = False
118 ElseIf selectAction = "4" Then
119     Console.WriteLine("You entered "" + selectAction + """)
120     Console.WriteLine(numOne & " / " & numTwo & " = " & numOneConverted / numTwoConverted)
121     promptUser = False
122 Else
123     Console.WriteLine("You entered "" + selectAction + """)
124     promptUser = True
125 End If
126
127 Loop
128     promptUser = True
129 Loop
130
131
132
133
134 End Sub
135
136 End Module
137
```