```vb
1  'Jake Burrell
2  'RCET0265
3  'Spring 2020
4  'Better Calculator
5  'https://github.com/burrjake/JDB-VS-S20
6
7  Option Strict On
8  Option Explicit On
9  Option Compare Text
10 Module BetterCalculator
11
12     Sub Main()
13         Dim firstNumber As Integer
14         Dim secondNumber As Integer
15         Dim userMessage As String
16         Dim quitProgram As Boolean
17         Dim promptUser As Boolean
18         Dim userInput As String
19
20         'greet user and tell user how to quit
21         promptUser = True
22         quitProgram = False
23         Do While quitProgram = False
24             Console.WriteLine("Please enter two numbers. Enter " & Chr(34) &    ⇾
                 "Q" & Chr(34) & " at any time to quit.")
25
26             'prompt user to select two numbers
27             Console.WriteLine("Choose a number:")
28             promptUser = True
29             While promptUser = True
30                 userInput = Console.ReadLine()
31                 If userInput = "q" Then
32                     promptUser = False
33                     quitProgram = True
34                     Console.WriteLine("You entered " & Chr(34) & "q" & Chr(34))
35                     Console.WriteLine("Have a nice day")
36                     Console.WriteLine("Press enter to close this window")
37                     Console.ReadLine()
38                     End
39
40                     'display first number or prompt to enter a whole number
41                 Else
42                     Try
43                         promptUser = False
44                         firstNumber = CInt(userInput)
45                         Console.WriteLine("You entered " & Chr(34) &           ⇾
                             firstNumber & Chr(34))
46                     Catch ex As Exception
47                         Console.WriteLine("You entered " & Chr(34) & userInput  ⇾
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                        & Chr(34) & ", please enter a whole number.")
48                          promptUser = True
49                      End Try
50                  End If
51              End While
52              promptUser = True
53
54          Console.WriteLine("Choose a number:")
55          promptUser = True
56          While promptUser = True
57              userInput = Console.ReadLine()
58
59                  'perform quit
60                  If userInput = "q" Then
61                      quitProgram = True
62                      Console.WriteLine("You entered " & Chr(34) & "q" & Chr(34))
63                      Console.WriteLine("Have a nice day")
64                      Console.WriteLine("Press enter to close this window")
65                      Console.ReadLine()
66                      End
67
68                      'display second number or prompt to enter a whole number
69                  Else
70                      Try
71                          promptUser = False
72                          secondNumber = CInt(userInput)
73                          Console.WriteLine("You entered " & Chr(34) &          ⮡
                        secondNumber & Chr(34))
74                      Catch ex As Exception
75                          Console.WriteLine("You entered " & Chr(34) & userInput ⮡
                        & Chr(34) & ", please enter a whole number.")
76                          promptUser = True
77                      End Try
78                  End If
79              End While
80              promptUser = True
81
82              'promp user to select what math function is wanted
83  retryOptions:
84          Console.WriteLine("Choose one Of the following options:")
85              Console.WriteLine("1. Add")
86              Console.WriteLine("2. Subtract")
87              Console.WriteLine("3. Multiply")
88              Console.WriteLine("4. Divide")
89          userMessage = Console.ReadLine()
90
91              'perform quit
92          If userMessage = "q" Then
93              quitProgram = True
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94                  Console.WriteLine("You entered " & Chr(34) & "q" & Chr(34))
95                  Console.WriteLine("Have a nice day")
96                  Console.WriteLine("Press enter to close this window")
97                  Console.ReadLine()
98                  End
99
100                 'perform proper operation
101             ElseIf userMessage = "1" Then
102                 Console.WriteLine("You entered " & Chr(34) & userMessage & Chr ⮡
                        (34))
103                 Console.WriteLine(firstNumber & "+" & secondNumber & "=" &      ⮡
                        (firstNumber) + (secondNumber))
104             ElseIf userMessage = "2" Then
105                 Console.WriteLine("You entered " & Chr(34) & userMessage & Chr ⮡
                        (34))
106                 Console.WriteLine(firstNumber & "-" & secondNumber & "=" &      ⮡
                        (firstNumber) - (secondNumber))
107             ElseIf userMessage = "3" Then
108                 Console.WriteLine("You entered " & Chr(34) & userMessage & Chr ⮡
                        (34))
109                 Console.WriteLine(firstNumber & "*" & secondNumber & "=" &      ⮡
                        (firstNumber) * (secondNumber))
110             ElseIf userMessage = "4" Then
111                 Console.WriteLine("You entered " & Chr(34) & userMessage & Chr ⮡
                        (34))
112                 Console.WriteLine(firstNumber & "/" & secondNumber & "=" &      ⮡
                        (firstNumber) / (secondNumber))
113             Else
114                 Console.WriteLine("You entered " & Chr(34) & userMessage & Chr ⮡
                        (34))
115                 GoTo retryOptions
116             End If
117         Loop
118
119
120     End Sub
121
122 End Module
123
```