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1 Option Explicit On
2 Option Strict Off
3
4 'Ben Wallace
5 'RCET0265
6 'Spring 2020
7 'Say My Name
8 'https://github.com/wallbenj93/BLW-VS-S20
9
10 Module SimpleCalculator
11
12     Sub Main()
13
14         Dim num1 As Decimal
15         Dim num2 As Decimal
16         Dim restartAnswer As String
17         Dim operationOption As String
18         Dim answer As Decimal
19
20         Console.WriteLine("Hello user! Welcome to the simple calculator!")
21 Line1:
22         Console.WriteLine("Please enter your first number.")
23         num1 = Console.ReadLine()
24         Console.WriteLine("Choose one of the following operations: ^, +, -, * or /")
25 Line2:
26         operationOption = Console.ReadLine()
27         If operationOption = "^" Or operationOption = "+" Or operationOption = "-" Or operationOption = "*" Or operationOption = "/" Then
28             GoTo Line3
29         Else
30             Console.WriteLine("The operation you have chosen is not valid. Please try again and enter ^, +, -, * or /")
31             GoTo Line2
32         End If
33 Line3:
34         Console.WriteLine("Enter your second number.")
35         num2 = Console.ReadLine()
36         answer = 0
37         If operationOption = "^" Then
38             answer = num1 ^ num2
39         ElseIf operationOption = "+" Then
40             answer = num1 + num2
41         ElseIf operationOption = "-" Then
42             answer = num1 - num2
43         ElseIf operationOption = "*" Then
44             answer = num1 * num2
45         ElseIf operationOption = "/" Then
46             answer = num1 / num2
47         Else Console.WriteLine("Error to programmer: This should not be happening??")
48             Console.ReadLine()
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49         End If
50
51         Console.WriteLine("Final equation: " & num1 & operationOption & num2 & " = " &
            " & answer & ".")
52         Console.WriteLine("Would you like to restart? Type Yes to restart, or any
            other character to end program.")
53         restartAnswer = Console.ReadLine()
54         If restartAnswer = "Yes" Or restartAnswer = "yes" Then
55             Console.WriteLine()
56             GoTo Line1
57         End If
58     End Sub
59
60 End Module
61
```