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2 'RCET0265
3 'Spring 2020
4 'Simple Calculator
5 'https://github.com/shoranth/AVS-VS-S20
6
7 Option Compare Text
8 Option Strict On
9 Option Explicit On
10
11 Module SimpleCalculator
12
13     Sub Main()
14
15         Dim firstNumber As Double
16         Dim secondNumber As Double
17         Dim usersOperation As Integer
18         Dim quitProgram As Boolean
19
20         quitProgram = False
21
22         Do While quitProgram = false
23
24             Do Until firstNumber = Double
25                 Console.WriteLine("This is a simple calculator.")
26                 Console.WriteLine("What is the FIRST number you would like in your calculation? Press enter when finished.")
27                 firstNumber = Console.ReadLine()
28             loop
29
30             Do Until secondNumber = Double
31                 Console.WriteLine("What is the SECOND number you would like in your calculation? Press enter when finished.")
32                 secondNumber = Console.ReadLine()
33             loop
34
35             Console.WriteLine("Please select an operation for your calculation.")
36             Console.WriteLine("1: Add")
37             Console.WriteLine("2: Subtract")
38             Console.WriteLine("3: Multiply")
39             Console.WriteLine("4: Divide")
40             usersOperation = Console.ReadLine()
41
42             If usersOperation = 1 Then
43                 Console.WriteLine(firstNumber + secondNumber)
44             ElseIf usersOperation = 2 Then
45                 Console.WriteLine(firstNumber - secondNumber)
46             ElseIf usersOperation = 3 Then
47                 Console.WriteLine(firstNumber * secondNumber)
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48     ElseIf usersOperation = 4 Then
49         Console.WriteLine(firstNumber / secondNumber)
50     Else
51         Console.WriteLine("The value you entered is invalid. Please try again.")
52     End If
53
54     console.writeline("Do you want to quit the calculator? Press any key to run again. Press Q to quit, then press enter.")
55     If Console.ReadLine() = "q" Then
56         quitProgram = True
57     Else
58         quitProgram = False
59     End If
60     console.clear()
61
62     Loop
63
64     End Sub
65
66 End Module
67
```