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1  'Logan Garcia
2  'RCET0265
3  'Roll Of The Dice
4  'https://github.com/garcloga/LRG-VS-S20
5
6  Option Explicit On
7  Option Strict On
8
9  Public Class Form1
10     Private Sub ExitButton_Click(sender As Object, e As EventArgs) Handles ExitButton.Click
11         'Closes the form
12         Me.Close()
13     End Sub
14
15     Private Sub RollButton_Click(sender As Object, e As EventArgs) Handles RollButton.Click
16
17         Dim firstDice As Single
18         Dim secondDice As Single
19         Dim sumOfDice As Single
20         Dim diceArray(10) As Integer
21         Dim columnHeader As String
22         Dim rollColumn As String
23         columnHeader = ""
24         rollColumn = ""
25
26         For roll = 1 To 1000
27             Randomize()
28             firstDice = Int((6 * Rnd()) + 1)
29             Randomize()
30             secondDice = Int((6 * Rnd()) + 1)
31             sumOfDice = firstDice + secondDice
32
33             'Adds total rolls for each number
34             If sumOfDice = 2 Then
35                 diceArray(0) += 1
36             ElseIf sumOfDice = 3 Then
37                 diceArray(1) += 1
38             ElseIf sumOfDice = 4 Then
39                 diceArray(2) += 1
40             ElseIf sumOfDice = 5 Then
41                 diceArray(3) += 1
42             ElseIf sumOfDice = 6 Then
43                 diceArray(4) += 1
44             ElseIf sumOfDice = 7 Then
45                 diceArray(5) += 1
46             ElseIf sumOfDice = 8 Then
47                 diceArray(6) += 1
48             ElseIf sumOfDice = 9 Then
49                 diceArray(7) += 1
50             ElseIf sumOfDice = 10 Then
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51         diceArray(8) += 1
52     ElseIf sumOfDice = 11 Then
53         diceArray(9) += 1
54     Else
55         diceArray(10) += 1
56     End If
57 Next
58
59 For i = 2 To 12
60     columnHeader &= CStr(i).PadLeft(4) & "|"
61 Next
62
63 'Display the header
64 RollDiceListBox.Items.Add(Space(19) & "Roll of The Dice" & Space(19))
65 RollDiceListBox.Items.Add(StrDup(55, "-"))
66 RollDiceListBox.Items.Add(columnHeader)
67 RollDiceListBox.Items.Add(StrDup(55, "-"))
68
69 'Write the total rolls for each number
70 For i = LBound(diceArray) To UBound(diceArray)
71     rollColumn &= CStr(diceArray(i)).PadLeft(4) & "|"
72 Next
73
74 RollDiceListBox.Items.Add(rollColumn)
75 RollDiceListBox.Items.Add(vbNewLine)
76 RollDiceListBox.TopIndex = RollDiceListBox.Items.Count - 1
77
78 End Sub
79
80 Private Sub ClearButton_Click(sender As Object, e As EventArgs) Handles 
81     ClearButton.Click
82     RollDiceListBox.Items.Clear()
83 End Sub
84
85 End Class
86
```