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1  'Ben Wallace
2  'RCET0265
3  'Spring 2020
4  'Dice w list box
5  'https://github.com/wallbenj93/BLW-VS-S20
6
7  Public Class Form1
8      Private Sub rerollButton_Click(sender As Object, e As EventArgs) Handles rerollButton.Click
9          Dim MyArray(10, 1) As Decimal
10         Dim sum As Integer
11         Dim rollNum As Integer = 1000
12         Dim totalPercent As Decimal
13         For i = 1 To rollNum
14             Randomize()
15             sum = Int((6 * Rnd()) + 1) + Int((6 * Rnd()) + 1)
16             'add a count to the corresponding sum
17             MyArray(sum - 2, 0) += 1
18             'myArray(row, column)
19             For j = 2 To 12
20                 'calculate chance of roll
21                 MyArray(j - 2, 1) = Decimal.Round(MyArray(j - 2, 0) / rollNum * 100, 1)
22             Next
23         Next
24         For i = 2 To 12
25             totalPercent += MyArray(i - 2, 1)
26         Next
27         ListBox1.Items.Add("Roll of the dice".PadLeft(70))
28         Dim row1 As String = ""
29         Dim row2 As String = ""
30         Dim row3 As String = ""
31         For j = 2 To 12
32             row1 &= Str(j).PadLeft(7) & "|"
33         Next
34         For j = 2 To 12
35             row2 &= Str(MyArray(j - 2, 0)).PadLeft(7) & "|"
36         Next
37         For j = 2 To 12
38             row3 &= Str(MyArray(j - 2, 1)).PadLeft(7) & "|"
39         Next
40         'condense code for row 1 by erasing for loop in line 25 and making it one long string
41         'line, erase row 1 variable and dim and insert into next line
42         ListBox1.Items.Add("Total of Roll: " & row1)
43         ListBox1.Items.Add("Times Rolled: " & row2)
44         ListBox1.Items.Add(" % of rolls: " & row3)
45         ListBox1.Items.Add("Total % = " & totalPercent)
46         ListBox1.Items.Add("")
47         rerollButton.Text = "&Reroll"
48         'ListBox1.SetSelected(ListBox1.Items.Count - 1, True)
49         'ListBox1.SetSelected(ListBox1.Items.Count - 1, False)

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50     'ListBox1.SelectedIndex = ListBox1.Items.Count - 1
51     ListBox1.TopIndex = ListBox1.Items.Count - 1
52 End Sub
53 Private Sub exitButton_Click(sender As Object, e As EventArgs) Handles 
54     exitButton.Click
55     Me.Close()
56 End Sub
57 Private Sub clearButton_Click(sender As Object, e As EventArgs) Handles 
58     clearButton.Click
59     ListBox1.Items.Clear()
60 End Sub
61 Private Sub ListBox1_SelectedIndexChanged(sender As Object, e As EventArgs) 
62     Handles ListBox1.SelectedIndexChanged
63     'Me.Text = Len(ListBox1.SelectedIndex.ToString)
64 End Sub
65 End Class
66
67 'StrDup(55, "-")
68 'for i = Lbound(array) to Ubound(array)
69 'Console.Write(CStr(arrayofNum(i)).PadLeft(4) & "|")
70 'Space(19)
71 'for i = Lbound(array) to Ubound(array)
72 'console.write(Cstr(i + 2).Padleft(4) & "|")
73 'Next
74 'Console.WriteLine(totalPercent.ToString().PadLeft(47) & "|")
75 'Console.ReadLine()
```