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1 'Anthony Shore
2 'RCET 265
3 'Spring 2020
4 'Roll 2 Dice
5 'https://github.com/shoranth/AVS-VS-S20
6
7 Module Roll2Dice
8
9     Sub Main()
10
11         Dim diceOne As Integer
12         Dim diceTwo As Integer
13         Dim diceTotal As Integer = 0
14         Dim diceValues(12, 2) As Integer
15
16         'enters a number into column 1 that represents the number rolled
17         For i = 2 To 12
18             diceValues(i, 1) = i
19         Next
20
21         'adds a one to the total number of dice rolls made for that number
22         For numberOfDiceRoll = 1 To 1000
23
24             'generates a random number
25             diceOne = Int((6 - 1 + 1) * Rnd() + 1)
26             diceTwo = Int((6 - 1 + 1) * Rnd() + 1)
27
28             'adds the two together
29             diceTotal = diceOne + diceTwo
30
31             'adds a 1 to the total contained within the array in column 2
32             diceValues(diceTotal, 2) += 1
33         Next
34
35         'code that displays the table
36         Console.WriteLine("1000 dice rolls are made using two dice. The
37                             results are displayed below")
38         Console.WriteLine()
39         Console.WriteLine("          Number Rolled          Number of Dice
40                             Rolls")
41
42         'for loop that displays each column of the table
43         For j = 2 To 12
44
45             'nested for loop that displays the rows of the table
46             For p = 1 To 2
47                 Console.Write(diceValues(j, p).ToString().PadLeft(15) & "|")
48             Next
49             Console.WriteLine()
```

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48         Next
49
50         Console.ReadLine()
51
52     End Sub
53
54 End Module
55
```