

```
1 'Create a program that rolls 2D6
2 'Adds the sum of the two and keep track in an array
3 'Display the results after 1000 rolls of the dice
4 'write to console thge totals with formatted columns with headers
5
6 Module Program
7     Sub Main()
8         Dim sumDice As Integer
9         Static firstDice As Integer
10        Static secondDice As Integer
11        Dim diceArray(1, 12) As Integer
12
13        For i = 1 To 1000
14
15            Randomize()
16            firstDice = CInt((5 * Rnd()) + 1)
17            Randomize()
18            secondDice = CInt((5 * Rnd()) + 1)
19
20            sumDice = firstDice + secondDice
21
22            diceArray(0, 2) = 2
23            diceArray(0, 3) = 3
24            diceArray(0, 4) = 4
25            diceArray(0, 5) = 5
26            diceArray(0, 6) = 6
27            diceArray(0, 7) = 7
28            diceArray(0, 8) = 8
29            diceArray(0, 9) = 9
30            diceArray(0, 10) = 10
31            diceArray(0, 11) = 11
32            diceArray(0, 12) = 12
33
34
35            If sumDice = 2 Then
36                diceArray(1, 2) += 1
37            ElseIf sumDice = 3 Then
38                diceArray(1, 3) += 1
39            ElseIf sumDice = 4 Then
40                diceArray(1, 4) += 1
41            ElseIf sumDice = 5 Then
42                diceArray(1, 5) += 1
43            ElseIf sumDice = 6 Then
44                diceArray(1, 6) += 1
45            ElseIf sumDice = 7 Then
46                diceArray(1, 7) += 1
47            ElseIf sumDice = 8 Then
48                diceArray(1, 8) += 1
49            ElseIf sumDice = 9 Then
50                diceArray(1, 9) += 1
51            ElseIf sumDice = 10 Then
52                diceArray(1, 10) += 1
```

```
53         ElseIf sumDice = 12 Then
54             diceArray(1, 11) += 1
55         ElseIf sumDice = 11 Then
56             diceArray(1, 12) += 1
57         End If
58
59     Next
60
61     Console.WriteLine(diceArray(0, 2) & "      " & diceArray(1, 2))
62     Console.WriteLine(diceArray(0, 3) & "      " & diceArray(1, 3))
63     Console.WriteLine(diceArray(0, 4) & "      " & diceArray(1, 4))
64     Console.WriteLine(diceArray(0, 5) & "      " & diceArray(1, 5))
65     Console.WriteLine(diceArray(0, 6) & "      " & diceArray(1, 6))
66     Console.WriteLine(diceArray(0, 7) & "      " & diceArray(1, 7))
67     Console.WriteLine(diceArray(0, 8) & "      " & diceArray(1, 8))
68     Console.WriteLine(diceArray(0, 9) & "      " & diceArray(1, 9))
69     Console.WriteLine(diceArray(0, 10) & "      " & diceArray(1, 10))
70     Console.WriteLine(diceArray(0, 11) & "      " & diceArray(1, 11))
71     Console.WriteLine(diceArray(0, 12) & "      " & diceArray(1, 12))
72     Console.WriteLine("*****")
73
74 End Sub
75
76
77 End Module
78
```