

```
1 using System;
2 using System.Collections.Generic;
3
4 /*
5 ***** "FizzBuzz games" *****
6 Print number starting from 1 to 100. When a number is multiple of three, print
   "Fizz" instead of a number on the console
7 and if multiple of five then print "Buzz" on the console. For numbers which are
   multiple of three as well five,
8 print "FizzBuzz" on the console. The function you define will return an array of
   string. Print your result on the screen.
9 *****
10 */
11
12 namespace FizzBuzz
13 {
14     class Program
15     {
16         public static string[] FizzBuzz(int n)
17         {
18             List<string> listString = new List<string>();
19             string a = "FizzBuzz";
20             string b = "Fizz";
21             string c = "Buzz";
22
23             for (int i = 0; i < n; i++)
24             {
25
26                 if (n % 3 == 0 && n % 5 == 0)
27                 {
28                     listString.Add(a);
29                     //Console.WriteLine("FizzBuzz");
30                 }
31                 else if (n % 3 == 0)
32                 {
33                     listString.Add(b);
34                     //Console.WriteLine("Fizz");
35                 }
36                 else if (n % 5 == 0)
37                 {
38                     listString.Add(c);
39                     //Console.WriteLine("Buzz");
40                 }
41                 else
42                 {
43                     listString.Add(Convert.ToString(n));
44                     //Console.WriteLine(n);
45                 }
46             }
47         }
48     }
49 }
```

```
45         }
46     }
47     return listString.ToArray();
48 }
49
50 static void Main(string[] args)
51 {
52
53     Console.WriteLine("Enter a number between 1 and 100");
54     Console.WriteLine();
55     int nber = Convert.ToInt32(Console.ReadLine());
56
57     Console.WriteLine("The number you entered is: {0}", nber);
58     Console.WriteLine();
59
60     Console.WriteLine("See results below:");
61     Console.WriteLine();
62     foreach (string str in FizzBuzz(nber))
63     {
64         Console.WriteLine(str);
65     }
66     Console.WriteLine();
67     Console.WriteLine("Press Any Key to Exit!");
68     Console.WriteLine();
69     Console.ReadLine();
70
71 }
72 }
73 }
74
```

[illegible]

C:\Users\ptagn\source\repos\FizzBuzz\FizzBuzz\bin\Debug\FizzBuzz.exe

```
Enter a number between 1 and 100
```

```
See results below:
```

Fizz

f172

172
173F1ZZ
F1ZZ

Fizz

Fi77

122
Fi77122
Fi77

```
122
Fizz
```

```

111
Fizz

```

```

111
Fizz

```

```

100
Fizz

```

```

Fizz

```

```
Press Any Key to Exit!
```

Select C:\Users\ptagn\source\repos\FizzBuzz\FizzBuzz\bin\Debug\FizzBuzz.exe

```
Enter a number between 1 and 100
```

```
The number you entered is: 35
```

Buzz

Buzz

Buzz

Buzz

Buzz

Buzz

Buzz

Buzz

Buzz

Buzz

Buzz

Buzz

```
Press Any Key to Exit!
```

C:\Users\ptagn\source\repos\FizzBuzz\FizzBuzz\bin\Debug\FizzBuzz.exe

Enter a number between 1 and 100

11

The number you entered is: 11

See results below:

11

11

11

11

11

11

11

11

11

11

11

Press Any Key to Exit!