

## C# - PASSING ARRAYS AS FUNCTION ARGUMENTS

[https://www.tutorialspoint.com/csharp/csharp\\_passing\\_arrays\\_to\\_functions.htm](https://www.tutorialspoint.com/csharp/csharp_passing_arrays_to_functions.htm)

Copyright © tutorialspoint.com

### Advertisements

You can pass an array as a function argument in C#. The following example demonstrates this –

#### [Live Demo](#)

```
using System;

namespace ArrayApplication {
    class MyArray {
        double getAverage(int[] arr, int size) {
            int i;
            double avg;
            int sum = 0;

            for (i = 0; i < size; ++i) {
                sum += arr[i];
            }
            avg = (double)sum / size;
            return avg;
        }
    }
    static void Main(string[] args) {
        MyArray app = new MyArray();

        /* an int array with 5 elements */
        int [] balance = new int[]{1000, 2, 3, 17, 50};
        double avg;

        /* pass pointer to the array as an argument */
        avg = app.getAverage(balance, 5 );

        /* output the returned value */
        Console.WriteLine( "Average value is: {0} ", avg );
        Console.ReadKey();
    }
}
```

When the above code is compiled and executed, it produces the following result –

```
Average value is: 214.4
```