

C# - PARAM ARRAYS

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At times, while declaring a method, you are not sure of the number of arguments passed as a parameter. C# param arrays *or parameter arrays* come into help at such times.

The following example demonstrates this –

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```
using System;

namespace ArrayApplication {
    class ParamArray {
        public int AddElements(params int[] arr) {
            int sum = 0;

            foreach (int i in arr) {
                sum += i;
            }
            return sum;
        }
    }
    class TestClass {
        static void Main(string[] args) {
            ParamArray app = new ParamArray();
            int sum = app.AddElements(512, 720, 250, 567, 889);

            Console.WriteLine("The sum is: {0}", sum);
            Console.ReadKey();
        }
    }
}
```

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

```
The sum is: 2938
```