

## Parameter Arrays

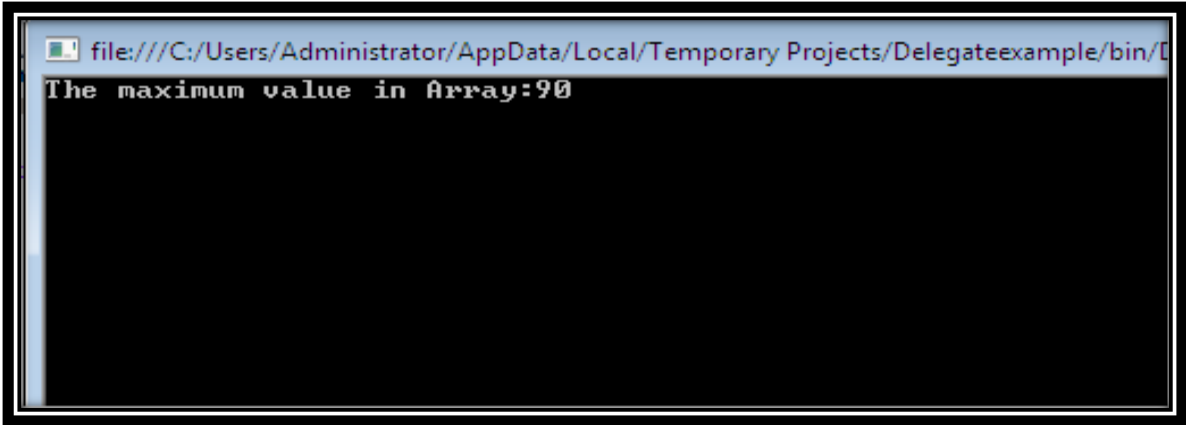
C# enables you to specify one and special parameter for a function. This parameter, which must be the last parameter in the function definition, is known as a parameter array. Parameter arrays enable you to call functions using a variable amount of parameters, and they are defined using the **params** keyword.

Param array can be useful way to simplify your code because you don't have to pass arrays from your calling code. Instead, you pass several parameters of the same type, which are placed in an array you can use from within your function.

Try it out:

```
using System;
class ParamExample
{
    static int MaxValue(params int[] intArray)
    {
        int maxVal = intArray[0];
        for (int i = 1; i < intArray.Length; i++)
        {
            if (intArray[i] > maxVal)
            {
                maxVal = intArray[i];
            }
        }
        return maxVal;
    }
    static void Main()
    {
        int maxval = MaxValue(1, 23, 45, 12, 90);
        Console.WriteLine("The maximum value in Array:" + maxval);
        Console.ReadLine();
    }
}
```

Output:



The screenshot shows a console window with a title bar that reads "file:///C:/Users/Administrator/AppData/Local/Temporary Projects/Delegateexample/bin/D". The main area of the window is black, and the text "The maximum value in Array:90" is displayed in white at the top left.

```
The maximum value in Array:90
```