

C# Arithmetic Operators with Examples

In **C#**, **Arithmetic Operators** are useful to perform basic arithmetic calculations like addition, subtraction, division, etc., based on our requirements.

For example, we have integer variables **x = 20**, **y = 10**, and if we apply an arithmetic operator **+** (**x + y**) to perform an addition operator. We will get the result as 30 like as shown below.

```
int result;
int x = 20, y = 10;
result = (x + y);
```

The following table lists the different types of operators available in **C#** arithmetic operators.

Operator	Name	Description	Example (a = 6, b = 3)
+	Addition	It adds two operands.	a + b = 9
-	Subtraction	It subtracts two operands.	a - b = 3
*	Multiplication	It multiplies two operands.	a * b = 18
/	Division	It divides numerator by de-numerator.	a / b = 2
%	Modulo	It returns a remainder as a result.	a % b = 0

C# Arithmetic Operators Example

Following is the example of using the Arithmetic Operators in the **C#** programming language.

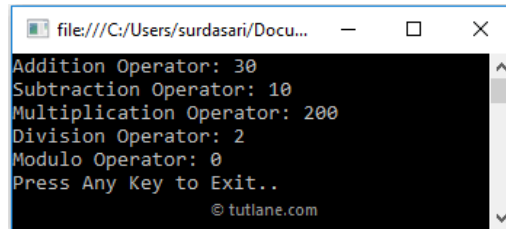
```
using System;

namespace Tutlane
{
    class Program
    {
        static void Main(string[] args)
        {
            int result;
            int x = 20, y = 10;
            result = (x + y);
            Console.WriteLine("Addition Operator: " + result);
            result = (x - y);
            Console.WriteLine("Subtraction Operator: " + result);
            result = (x * y);
            Console.WriteLine("Multiplication Operator: "+ result);
            result = (x / y);
            Console.WriteLine("Division Operator: " + result);
            result = (x % y);
            Console.WriteLine("Modulo Operator: " + result);
            Console.WriteLine("Press Enter Key to Exit..");
            Console.ReadLine();
        }
    }
}
```

If you observe the above code, we used Arithmetic operators (+, -, *, /, %) to perform different operations on defined operands based on our requirements.

Output of C# Arithmetic Operators Example

When we execute the above c# program, we will get the result as shown below.

A screenshot of a Windows console window with a black background and white text. The window title bar shows the file path 'file:///C:/Users/surdasari/Docu...'. The output text is as follows:

```
Addition Operator: 30  
Subtraction Operator: 10  
Multiplication Operator: 200  
Division Operator: 2  
Modulo Operator: 0  
Press Any Key to Exit..  
© tutlane.com
```

This is how we can use arithmetic operators in the c# programming language to perform the basic arithmetic calculations on operands based on our requirements.

CONTACT US

📍 **Address:** No.1-93, Pochamma Colony, Manikonda, Hyderabad, Telangana - 500089

✉ **Email:** support@tutlane.com (mailto:support@tutlane.com)