Explore integer math

30 minutes remaining

Run the following code in the interactive window. Select the **Enter focus mode** button. Then, type the following code block in the interactive window and select **Run**:

```C#
int a = 18;
int b = 6;
int c = a + b;
Console.WriteLine(c);
```

If you're working on your environment, you should follow the instructions for the local version instead.

You've seen one of the fundamental math operations with integers. The `int` type represents an **integer**, a positive or negative whole number. You use the `+` symbol for addition. Other common mathematical operations for integers include:

- `-` for subtraction
- `*` for multiplication
- `/` for division

> 💡 **Tip**
>
> Throughout this interactive tutorial, you can explore on your own by modifying the code you've written in the interactive window. This tutorial provides examples that you can try at each step.

Start by exploring those different operations. Modify the third line to try each of these operations. After each edit, select the **Run** button.

Subtraction:

```C#
int c = a - b;
```

Multiplication:

C#   🗐 Copy

```csharp
int c = a * b;
```

Division:

C#   🗐 Copy

```csharp
int c = a / b;
```

You can also experiment by writing multiple mathematics operations in the same line, if you'd like.

> 💡 **Tip**
>
> As you explore C# (or any programming language), you'll make mistakes when you write code. The **compiler** will find those errors and report them to you. When the output contains error messages, look closely at the example code, and the code in the interactive window to see what to fix. That exercise will help you learn the structure of C# code.

Try the code in your browser

Enter focus mode ▷

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