

Environment Setup for DotNet Course

Software's required

- 1) Visual Studio 2015 / 2017
- 2) SQL Server 2014

Download procedure:

- Click the below link
 - <https://my.visualstudio.com/Downloads?Pid=2226>
- Sign in to Microsoft account. If you do not have one, you can sign up for free
- Once logged-in search for “**Visual Studio 2015 Community**” in the search bar. Below results would appear. Select the last download link

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- Similarly search for “**SQL Server 2014 Express with Service Pack 1**” in search bar. Below results would appear. Select the first download link.

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Link for using online compiler

<https://docs.microsoft.com/en-us/dotnet/csharp/quick-starts/>

Numbers in C# interactively

Secure | <https://docs.microsoft.com/en-us/dotnet/csharp/quick-starts/numbers-in-csharp>

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Docs / .NET / C# Guide / Quickstarts

✓ Introduction 02/26/2018 A Developer (Beginner)

Explore integer math
Explore order of operations
Explore integer precision and limits
Work with the double type
Work with fixed point types
Complete challenge
Next steps

This quick start teaches you about the number types in C# interactively, using your browser to write C# and see the results of compiling and running your code. It contains a series of lessons that explore numbers and math operations in C#. These lessons teach you the fundamentals of the C# language.

You will learn how to...

| | | |
|--------------------------------------|------------|----|
| Explore integer math | Start Here | 4m |
| Explore order of operations | | 7m |
| Explore integer precision and limits | | 5m |
| Work with the double type | | 5m |
| Work with fixed point types | | 8m |
| Complete challenge | | 1m |

Next: Explore

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Is this page helpful? YES NO

Clicking on the above practice links (Explore integer math etc...) takes you to the below page.

The screenshot shows a web browser window with the URL <https://docs.microsoft.com/en-us/dotnet/csharp/quick-starts/numbers-in-csharp#step-1>. The page is titled "Explore integer math" and includes a progress bar indicating "30 minutes remaining". The left sidebar lists the following topics: Introduction, Explore integer math (selected), Explore order of operations, Explore integer precision and limits, Work with the double type, Work with fixed point types, Complete challenge, and Next steps. The main content area contains the following text: "Run the following code in the interactive window. To do that, type the following code block in the interactive window and click the **Run** button:" followed by a code block in C#:

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

Below the code block, the text reads: "You've just 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

On the right side, there is a ".NET Editor" window with a line of code "1" and an "Output" section. At the bottom right, a small dialog box asks "Is this page helpful?" with "YES" and "NO" buttons.

Online compiler can only be used for below topics. You can write the code, check the output and understand the concept while you are reading.

- 1) Numbers in C#
- 2) Branches and Loops
- 3) Strings
- 4) List
- 5) Introduction to Classes.