**C# Hello World - Your First C# Program**

In this tutorial, we will learn how to write a simple "Hello World!" program in C#. This will get you familiar with the basic syntax and requirements of a C# program.

The “Hello World!” program is often the first program we see when we dive into a new language. It simply prints **Hello World!** on the output screen. The purpose of this program is to get us familiar with the basic syntax and requirements of a programming language.

**"Hello World!" in C#**

// Hello World! program

namespace HelloWorld

{

class Hello {

static void Main(string[] args)

{

System.Console.WriteLine("Hello World!");

}

}

}

When you run the program, the output will be:

Hello World!

**How the "Hello World!" program in C# works?**

Let's break down the program line by line.

1. // Hello World! Program  
   // indicates the beginning of a comment in C#. Comments are not executed by the C# compiler.  
   They are intended for the developers to better understand a piece of code. To learn more about comments in C#, visit *C# comments*.
2. namespace HelloWorld{...}  
   The namespace keyword is used to define our own namespace. Here we are creating a namespace called HelloWorld.  
   Just think of namespace as a container which consists of classes, methods and other namespaces. To get a detailed overview of namespaces, *visit*[C# Namespaces](https://www.programiz.com/csharp-programming/namespaces).
3. class Hello{...}  
   The above statement creates a class named - Hello in C#. Since, C# is an object-oriented programming language, creating a class is mandatory for the program’s execution.
4. static void Main(string[] args){...}  
   Main() is a method of class Hello. The execution of every C# program starts from the Main() method. So it is mandatory for a C# program to have a Main() method.  
   The signature/syntax of the Main() method is:

static void Main(string[] args)

{

...

}

We’ll learn more about methods in the later chapters.

1. System.Console.WriteLine("Hello World!");  
   For now, just remember that this is the piece of code that prints **Hello World!** to the output screen. You’ll learn more about how it works in the later chapters.

**Alternative Hello World! implementation**

Here’s an alternative way to write the “Hello World!” program.

// Hello World! program

using System;

namespace HelloWorld

{

class Hello {

static void Main(string[] args)

{

Console.WriteLine("Hello World!");

}

}

}

Notice in this case, we’ve written using System; at the start of the program. By using this, we can now replace

System.Console.WriteLine("Hello World!");

with

Console.WriteLine("Hello World!");

This is a convenience we’ll be using in our later chapters as well.

**Things to remember from this article**

* Every C# program must have a class definition.
* The execution of program begins from the Main() method.
* Main() method must be inside a class definition.

This is just a simple program for introducing C# to a newbie. If you did not understand certain things in this article, that's okay (even I did not when I started). As we move on with this tutorial series, everything will start to make sense.