

C# Programming

1.1 C# Syntax

- This is the main syntax of the C# code.

```
using System;

namespace HelloWorld
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Hello World!");
        }
    }
}
```

- Output of the above code is Hello World!
- We use **Console.WriteLine();** in C# for write something we want it in a line.
- Using **System** means that we can use classes from the System namespace.
- **namespace** is used to organize your code, and it is a container for classes and other namespaces.
- The **curly braces {}** marks the beginning and the end of a block of code.
- **class** is a container for data and methods, which brings functionality to your program. Every line of code that runs in C# must be inside a class. In our example, we named the class Program.