C# Setup Development Environment

As discussed in C# Introduction (/tutorial/csharp/csharp-introduction), C# programming language has built on **.NET Framework** to build a variety of secure and robust applications such as windows, web or database applications based on our requirements.

To run C# applications, we require to install a **.NET Framework** component on our machines. In case, if you are using windows operating system, then by default **.NET Framework** installed on your machine. To know more about .NET Framework versions installed on your machine, check this .NET Framework Versions (https://docs.microsoft.com/en-us/dotnet/framework/migration-guide/versions-and-dependencies).

Visual Studio IDE

Microsoft has provided an **IDE** (Integrated Development Environment) tool called **Visual Studio** to build applications using programming languages such as C#, F#, Visual Basic, etc. based on our requirements.

The **Visual Studio IDE** will provide a common user interface with a collection of different development tools to build applications with different programming languages such as C#, F#, Visual Basic, etc.
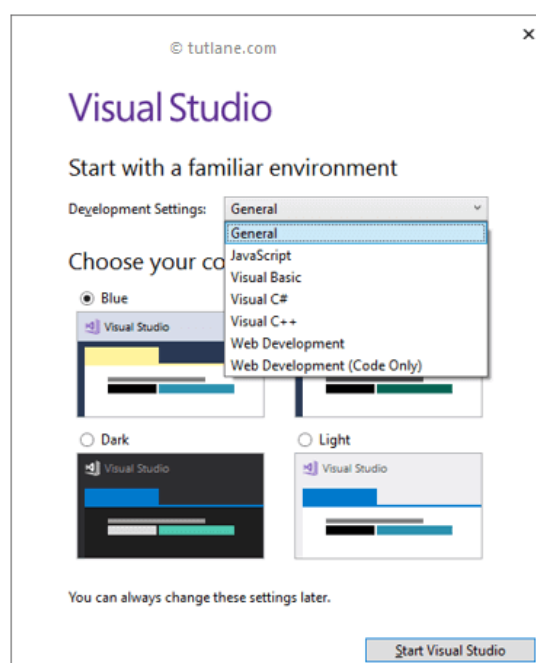
To install and use Visual Studio (https://www.visualstudio.com/) for a commercial purpose you need to buy a license from Microsoft. In case if you want to use Visual Studio for learning (non-commercial) purposes, Microsoft provided a free Visual Studio Community version.

You can download and install a Visual Studio Community version from visualstudio.com (https://www.visualstudio.com/downloads/). In our C# tutorial, we will use the Visual Studio 2017 community version.
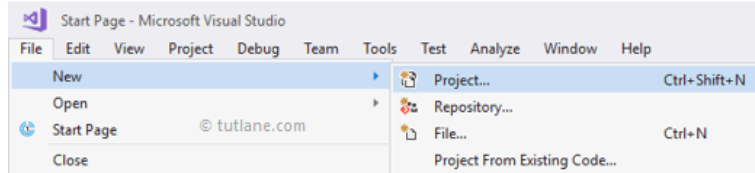
Now we will learn how to create a console application in c# programming language using visual studio.
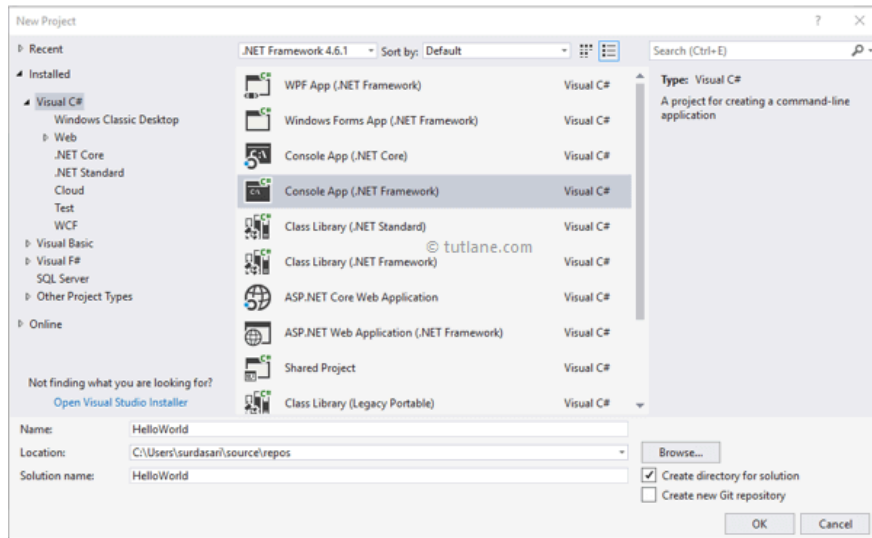
Create a Project in Visual Studio

Once you are done with visual studio installation, open visual studio and it will be prompted to sign in for the first time. The **sign-in** step is optional so you can skip it and in the next step, the dialog box will appear and ask you to choose your **Development Settings** and **color theme**. Once you select the required options, click on **Start Visual Studio** option like as shown below.
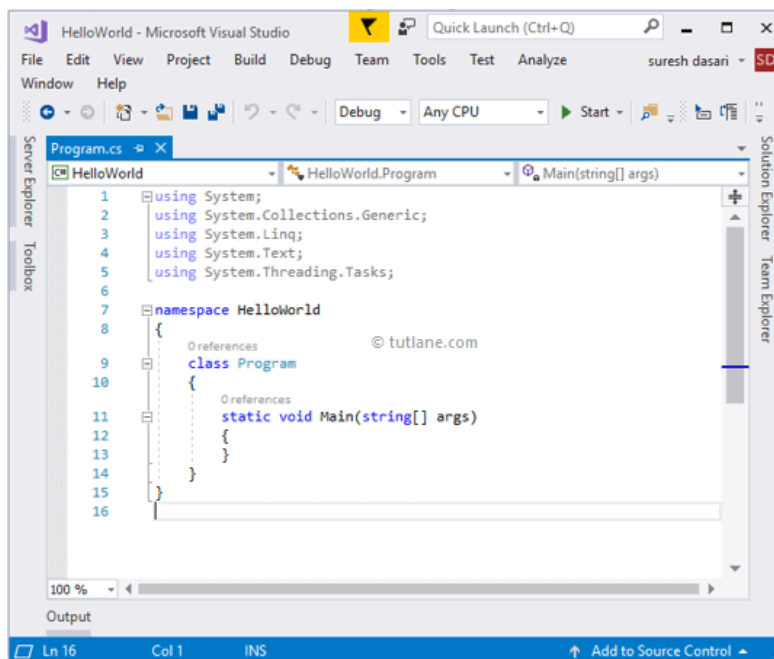

After visual studio launch, create a new console application using c# programming language for that, Go to **File → New →** select a **Project** like as shown below.

Once you click on **Project**, a new popup will open in that select **Visual C#** from the left pane and choose **Console App**. In the **Name** section give any name for your project and select an appropriate **Location** path to save your project files and click **OK** like as shown below.

Once you click on the **OK** button, a new console application will be created like as shown below.

This is how you can create a console application in c# programming language using visual studio based on our requirements.

CONTACT US

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

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