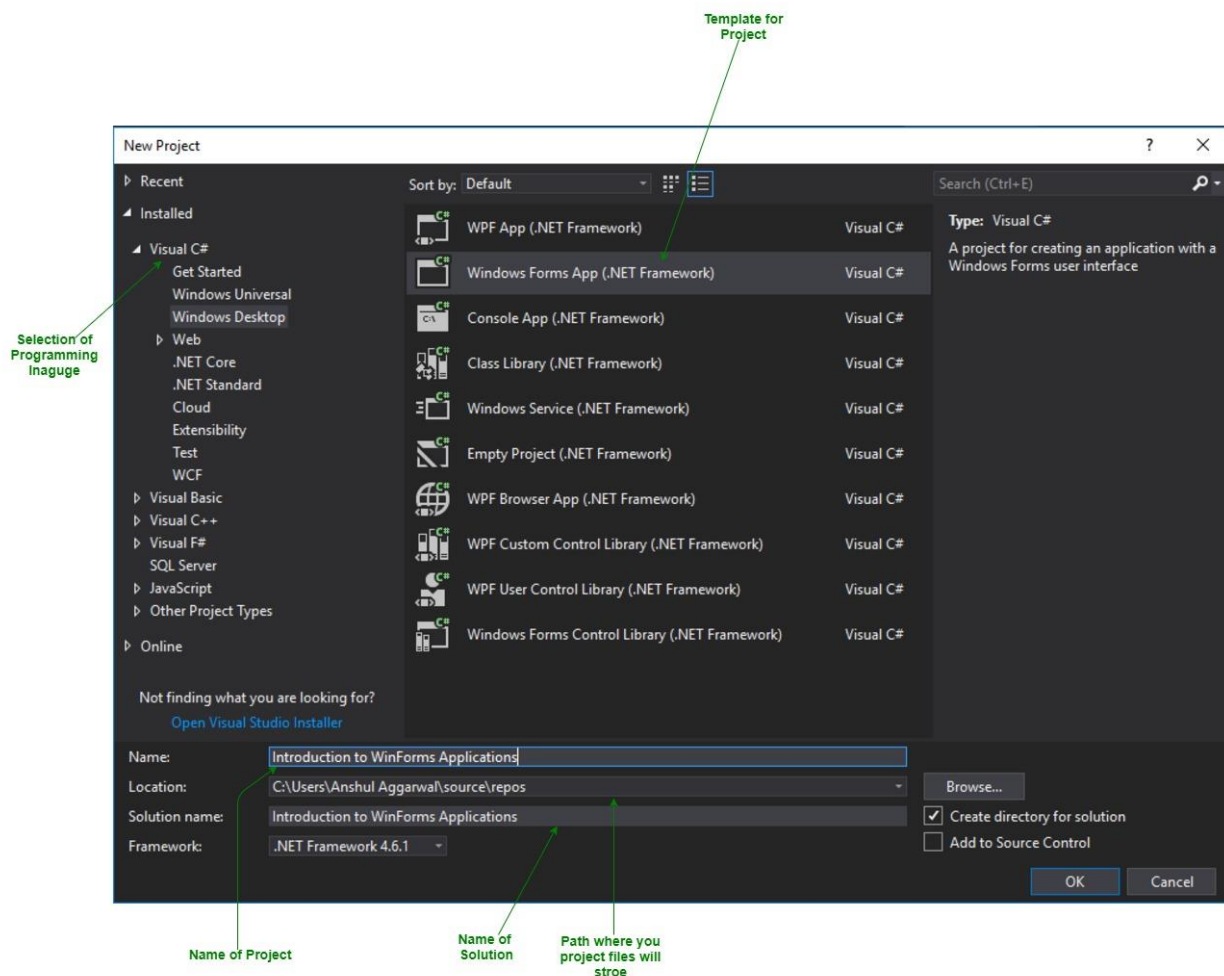


Windows Form Application

Windows Forms is a Graphical User Interface (GUI) class library which is bundled in .Net Framework. Its main purpose is to provide an easier interface to develop the applications for desktop, tablet, PCs. It is also termed as the WinForms. The applications which are developed by using Windows Forms or WinForms are known as the Windows Forms Applications that runs on the desktop computer. WinForms can be used only to develop the Windows Forms Applications not web applications. WinForms applications can contain the different type of controls like labels, list boxes, tooltip etc.

Getting started with WinForms Project

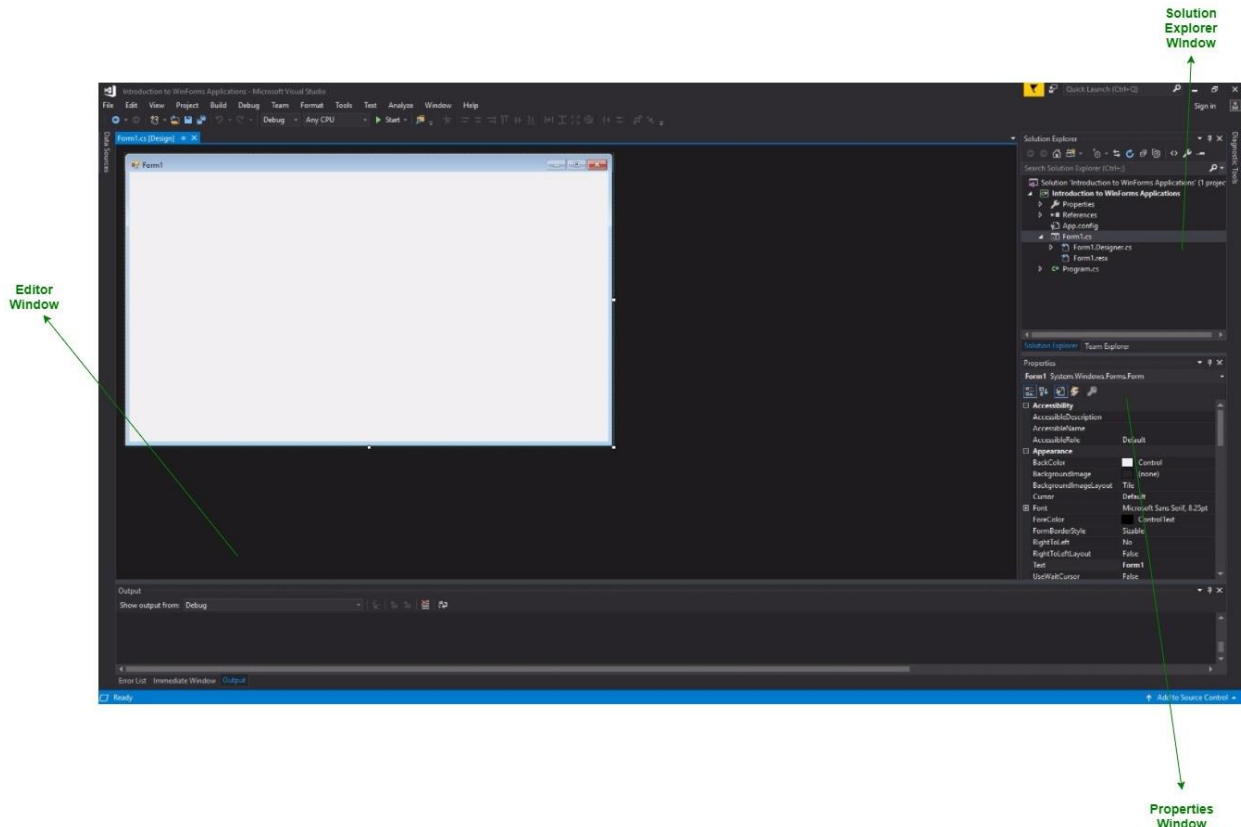
1. **Open the Visual Studio** then Go to **File -> New -> Project** to create a new project and then **select the language as Visual C#** from the left menu. Click on **Windows Forms App (.NET Framework)** in the middle of current window. After that give the project name and Click **OK**



Here the solution is like a container which contains the projects and files that may be required by the program.

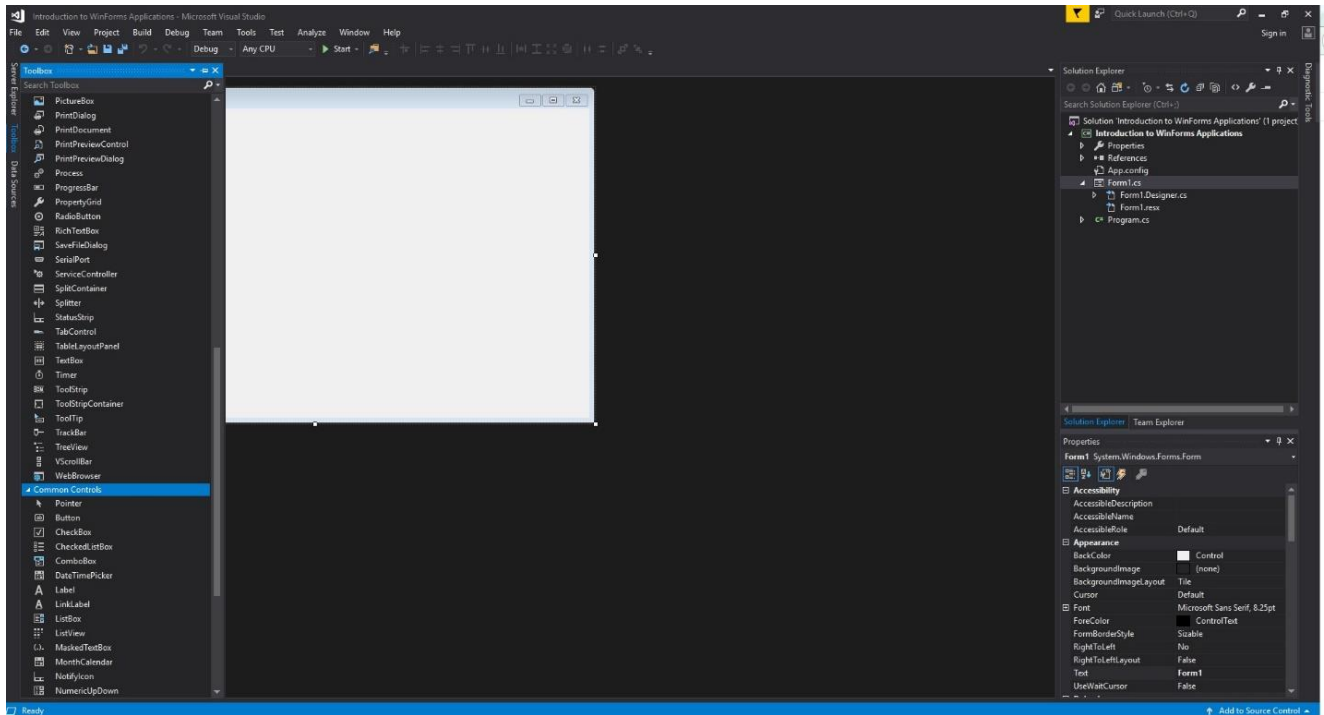
2. After that following window will display which will be divided into three parts as follows:

- a. **Editor Window or Main Window:** Here, you will work with forms and code editing. You can notice the layout of form which is now blank. You will double click the form then it will open the code for that.
- b. **Solution Explorer Window:** It is used to navigate between all items in solution. For example, if you will select a file form this window then particular information will be display in the property window.
- c. **Properties Window:** This window is used to change the different properties of the selected item in the Solution Explorer. Also, you can change the properties of components or controls that you will add to the forms.

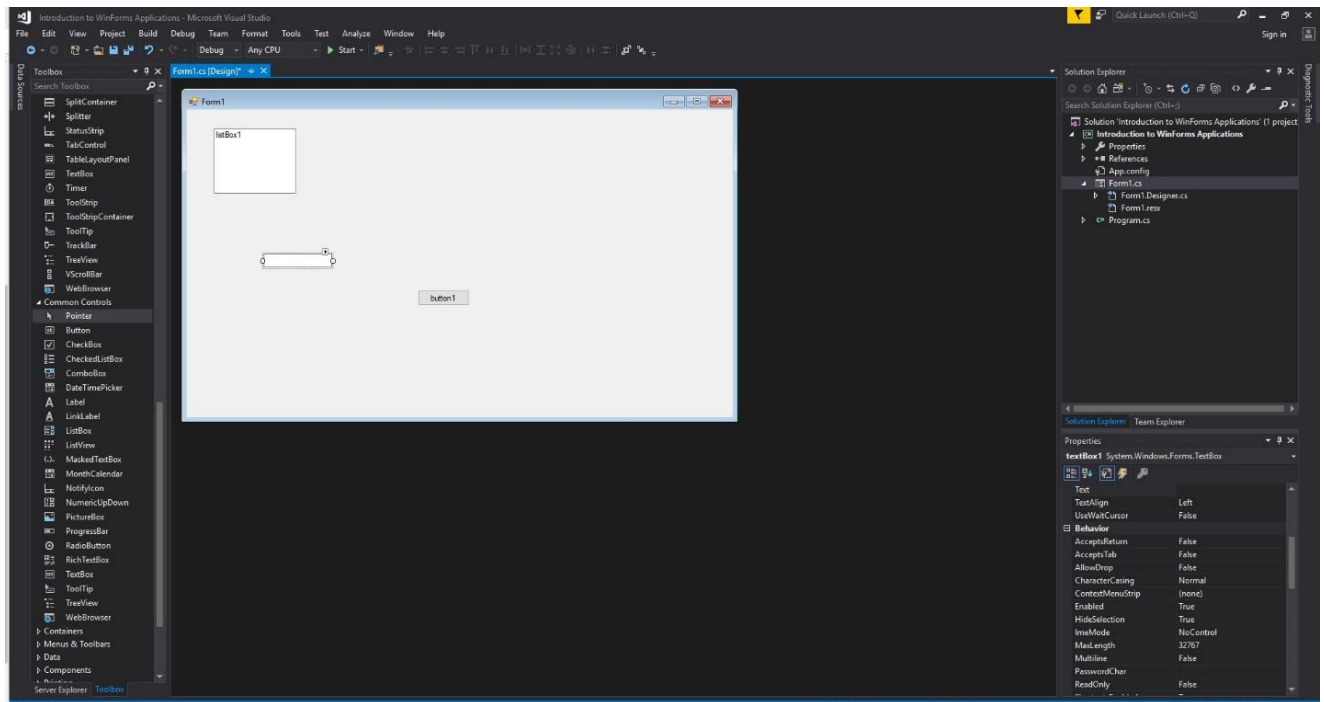


You can also reset the window layout by setting it to default. To set the default layout, go to **Window -> Reset Window Layout** in Visual Studio Menu.

3. Now to **add the controls** to your WinForms application go to **Toolbox tab** present in the extreme left side of Visual Studio. Here, you can see a list of controls. To access the most commonly used controls go to **Common Controls** present in Toolbox tab.



4. Now drag and drop the controls that you needed on created Form. For example, if you can add TextBox, ListBox, Button etc. as shown below. By clicking on the particular dropped control you can see and change its properties present in the right most corner of Visual Studio.



In the above image, you can see the TextBox is selected and its properties like TextAlign, MaxLength etc. are opened in right most corner. You can change its properties' values as per the

application need. The code of controls will be automatically added in the background. You can check the Form1.Designer.cs file present in the Solution Explorer Window.

5. **To run** the application you can use an **F5 key** or **Play button present in the toolbar** of Visual Studio. **To stop** the application you can use **pause button present in the ToolBar**. You can also run the application by going to **Debug->Start Debugging** menu in the menubar.

