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## Article



### Adding Winforms in WPF

By **Abdul Rasheed Feroz Khan** on **Jul 12 2016**

#### Introduction

Here, we will be working with adding Windows Forms in Windows Presentation Foundation (WPF)

#### What is Winform?

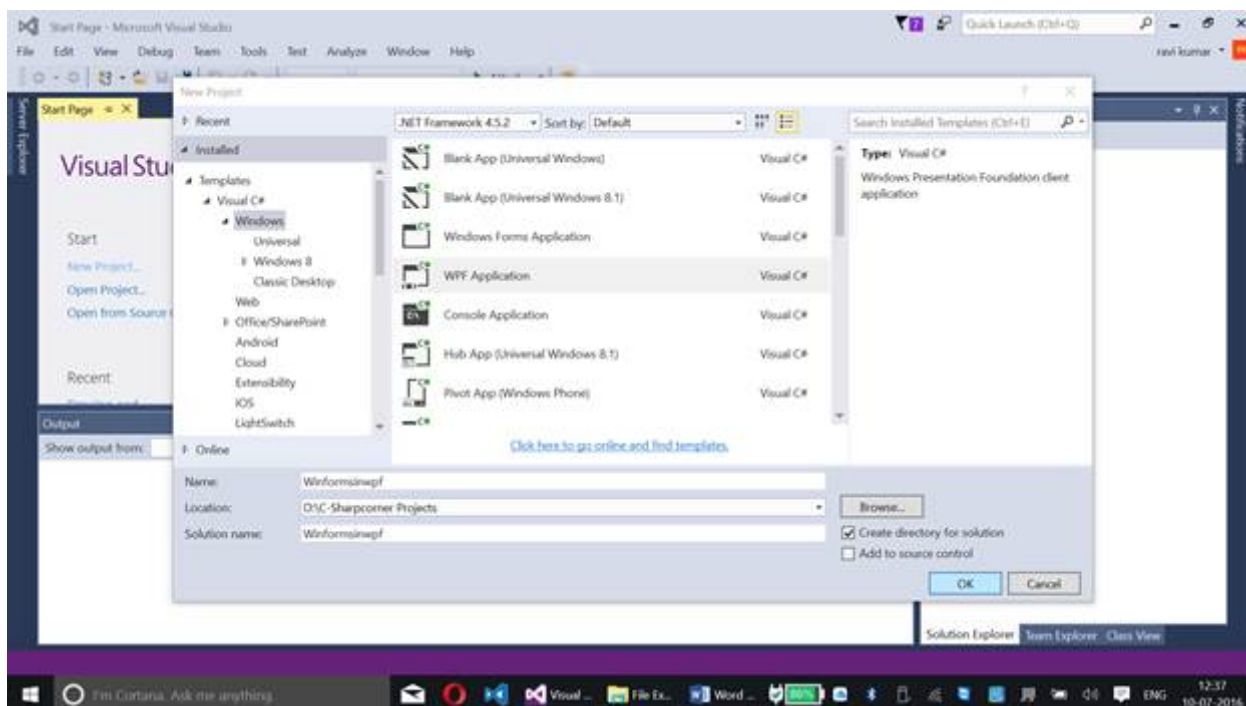
Windows Form is a segment of Microsoft .NET framework. It is a GUI (Graphical User Interface) class library, which allows us to write the rich looking Client Applications for tablets, laptops and Desktops.

#### Development Requirements

1. [Visual Studio 2015](#)
2. [.NET Framework 4.6](#)
3. [Microsoft Expression Blend if needed](#)

Follow the following steps to add Winforms in WPF:

**Step 1:** Run Visual Studio 2015 -> Visual C# -> Windows -> WPF Application



**Step 2:** Right click on the references and add the following reference files:

- WindowsFormsIntegration

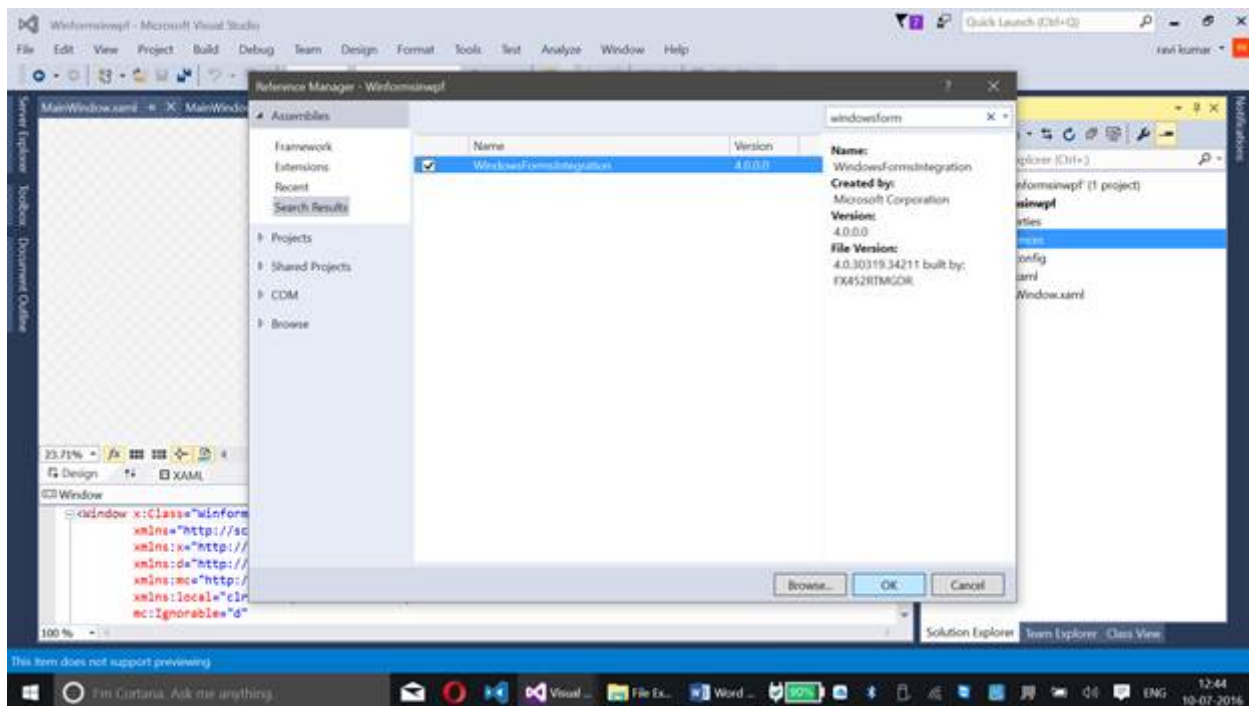
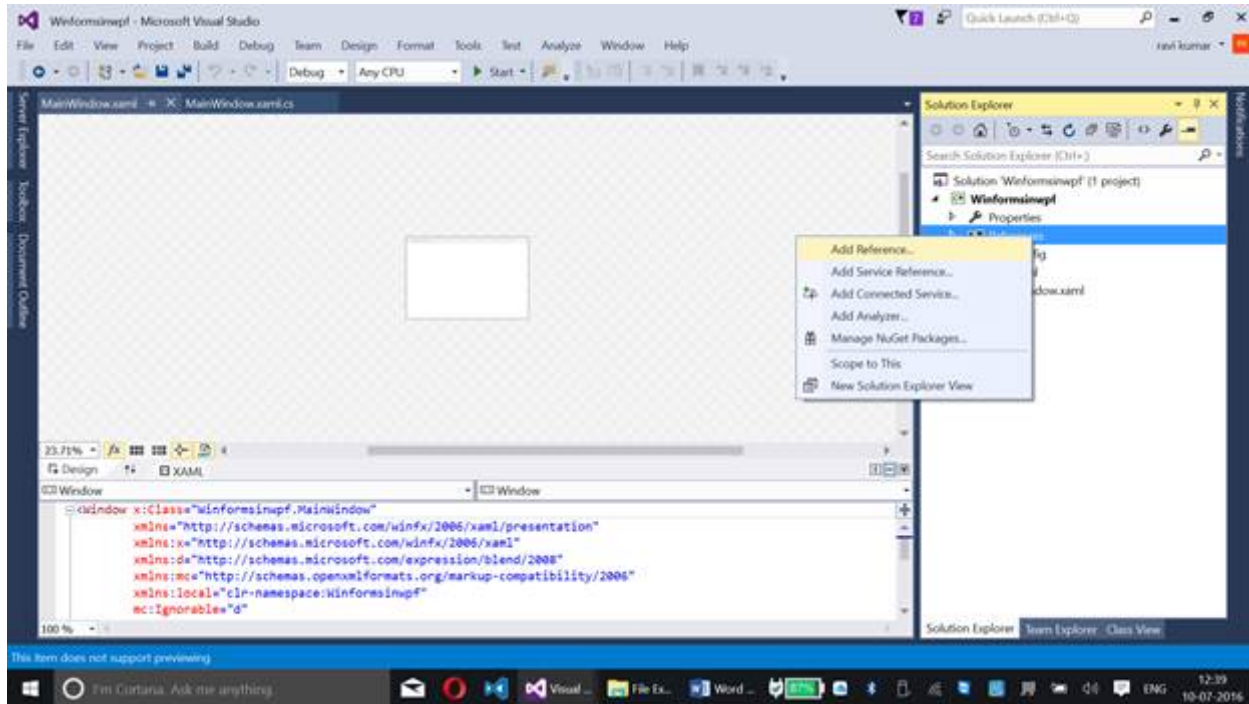
- System.Windows.Forms

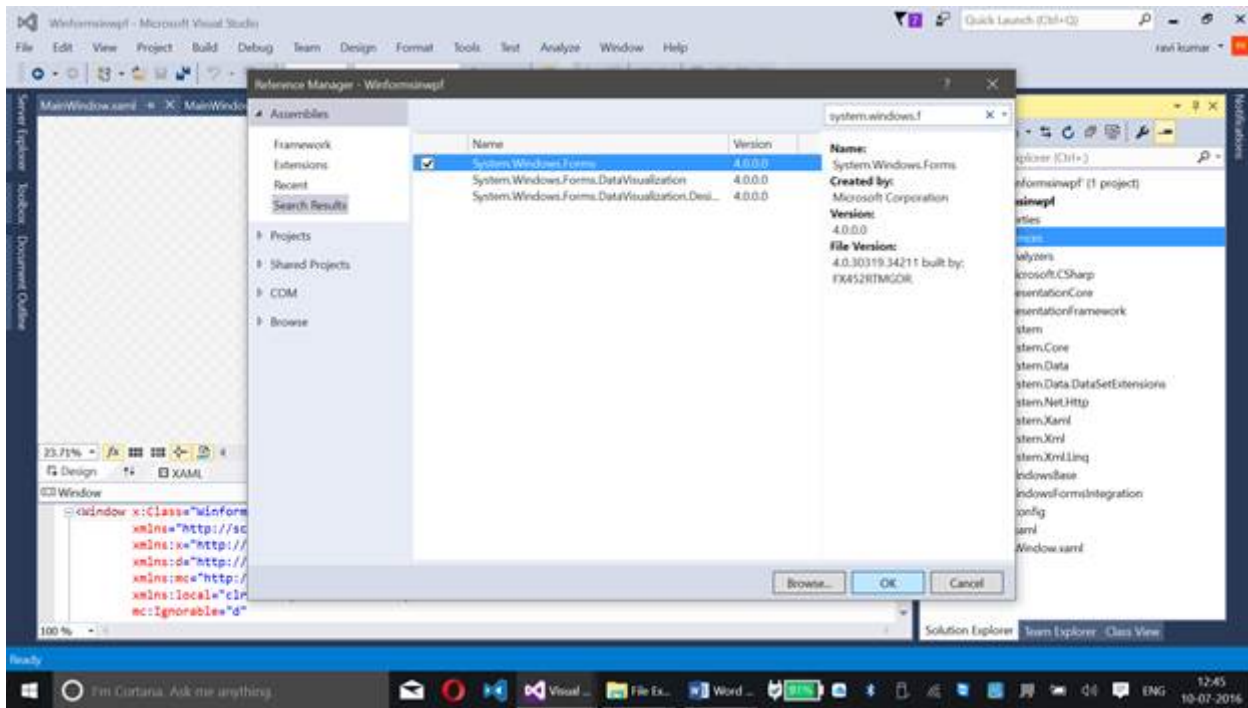
## WindowsFormsIntegration:

Click [here](#) to know about WindowsFormsIntegration Namespace.

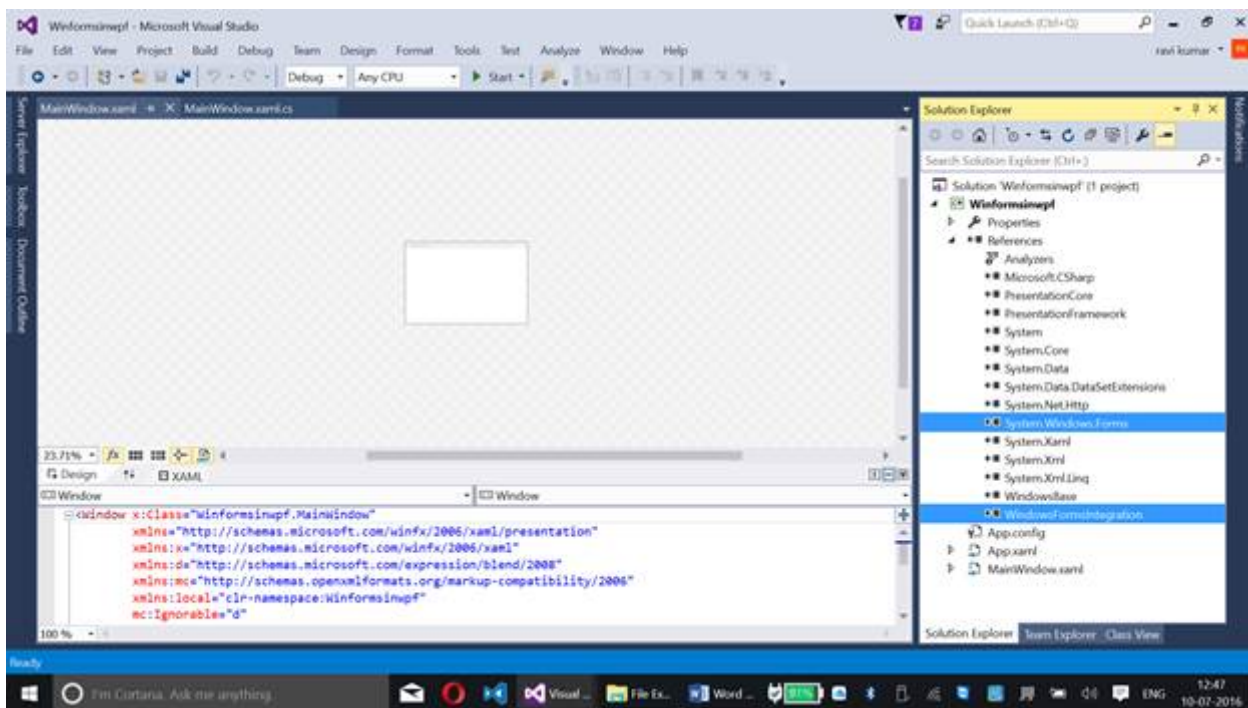
## System.Windows.Forms:

Click [here](#) to know about System.Windows.Forms Namespace





Here, you can find both the reference files that are added under references.

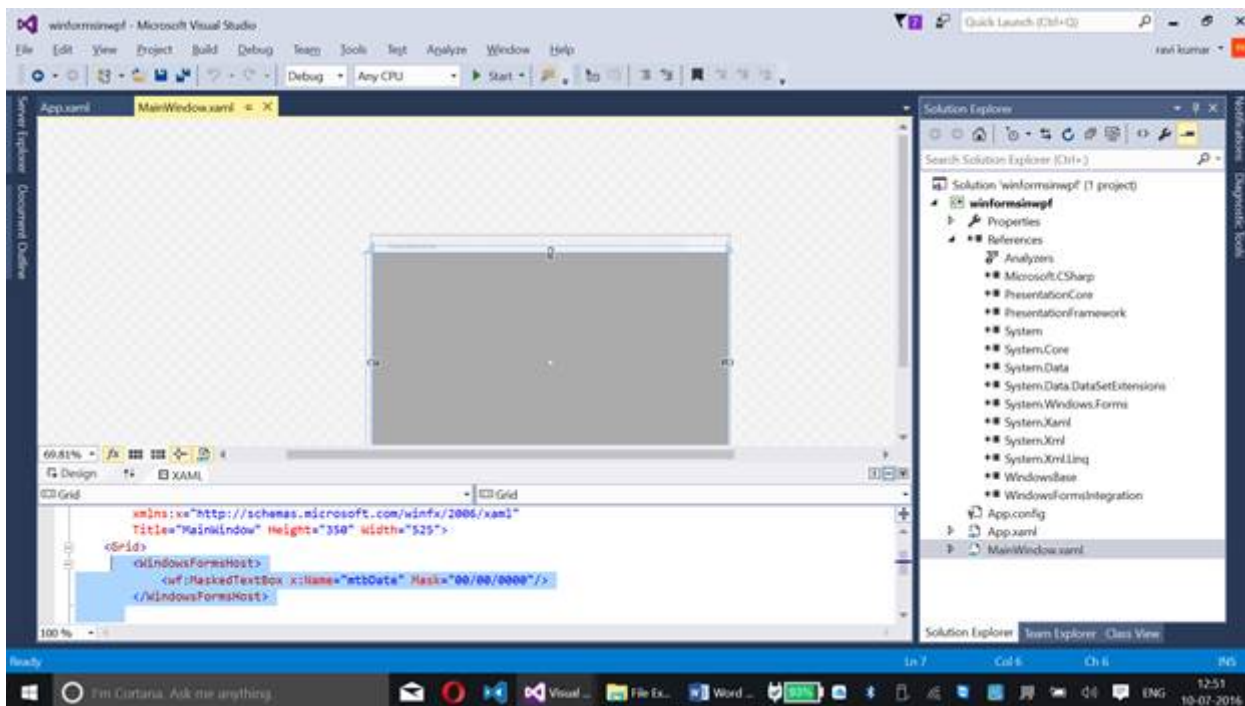


**Step 3:** Add the following namespacing too,

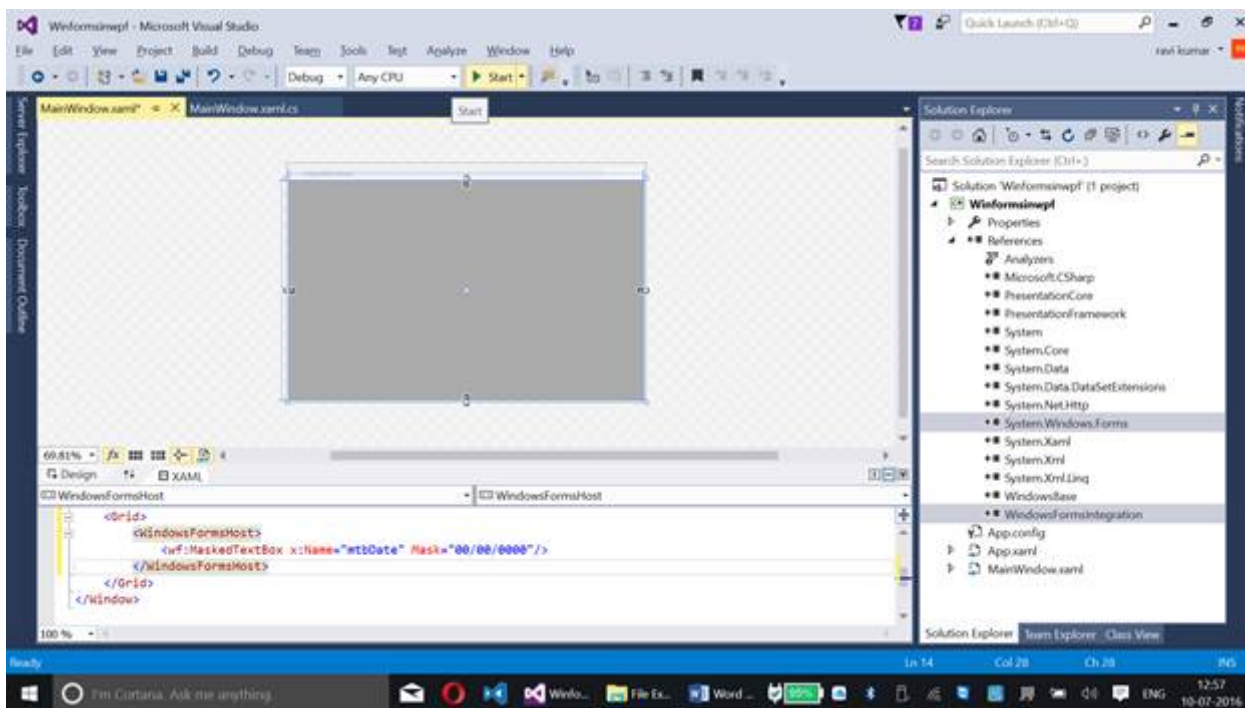
`xmlns:wf="clr-namespace:System.Windows.Forms;assembly=System.Windows.Forms"`

Now, paste the code, given below, at MainWindow.xaml under Grid or drag and drop the WindowsFormHost tool.

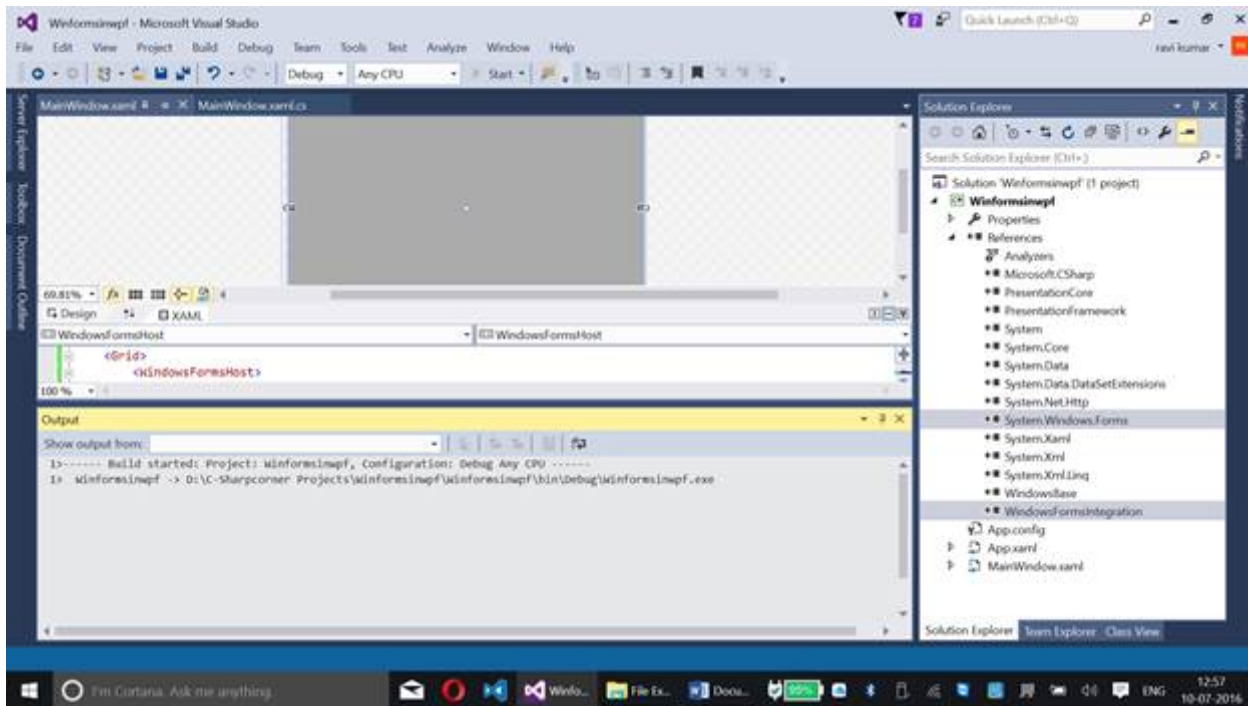
1. `<WindowsFormsHost>`
2. `<wf:MaskedTextBox x:Name="mtbDate" Mask="00/00/0000" />`
3. `</WindowsFormsHost>`



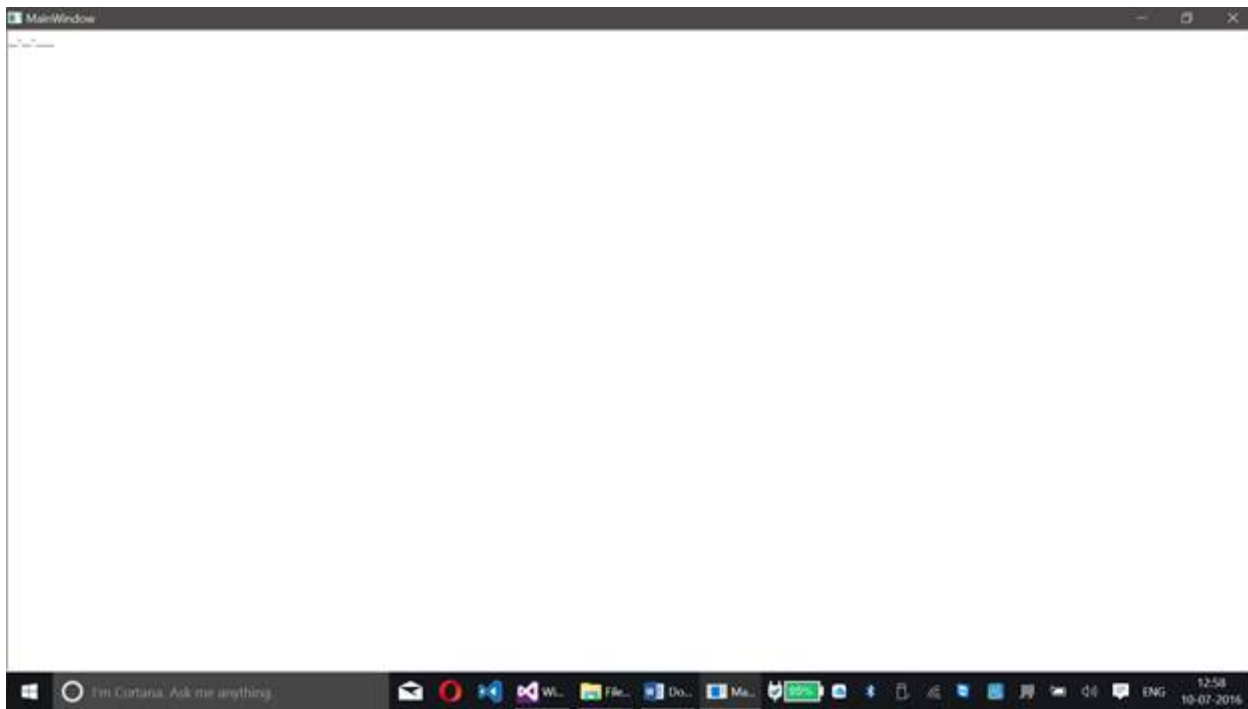
**Step 4:** Now, run the code by clicking Start at the top pane of Visual Studio 2015.



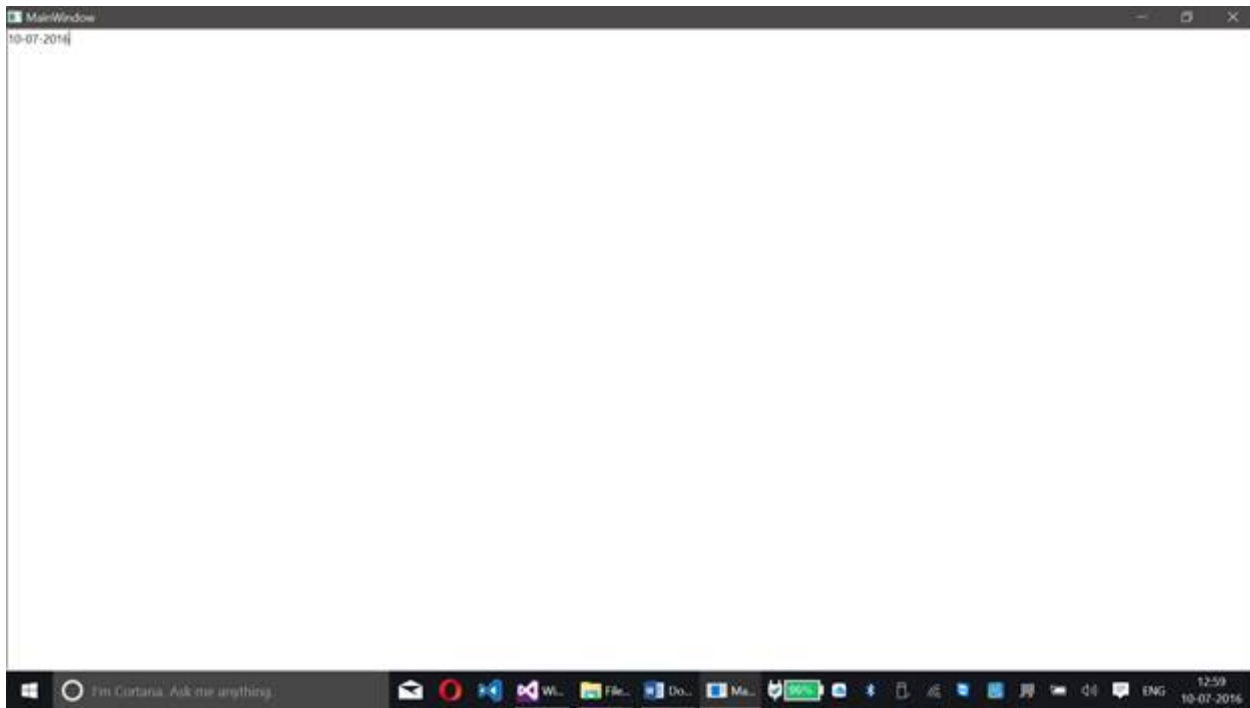




You will be getting the following Window:



This Application will allow you to enter the date in Windows Form at WPF Application.



## Summary

This is a basic example to work with Windows Forms on WPF (Windows Presentation Foundation). WPF is a new technology compared to Winforms.

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