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## 4.4

Create user documentation for the developed .Net program solution, in a written report

- Develop a .Net program
- Create Onscreen help to assist the users.(Pop-up, tool tip, Help menu)

### Pop-up:-

- POP UP is known as notification.
- Related to application we can get error messages and also notifications such as successful messages

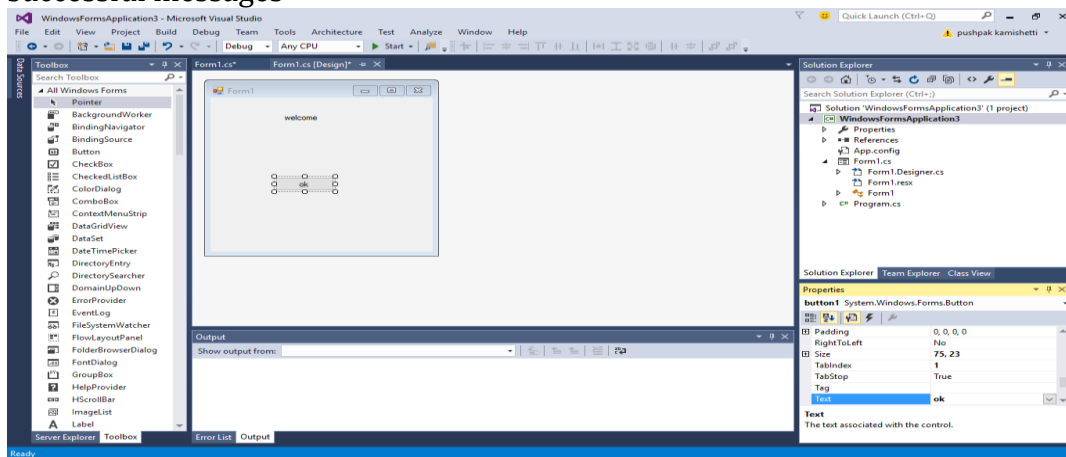


Figure 1step1

I have created the design and for the button I have used popup or it generally known as message box.

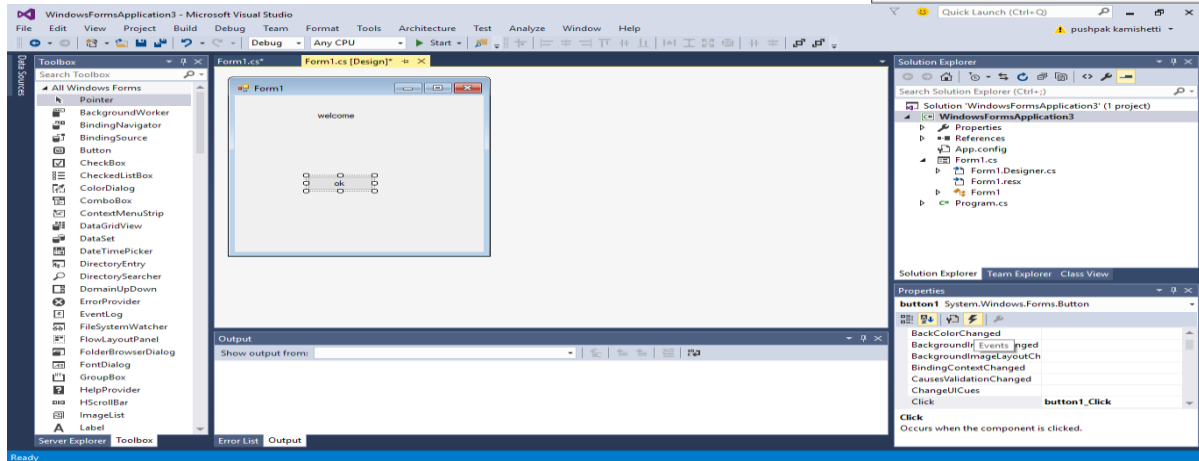


Figure 2step 2

Then in the properties, I have change the name of the button and in the properties events I have seen click there by clicking it will go to code page

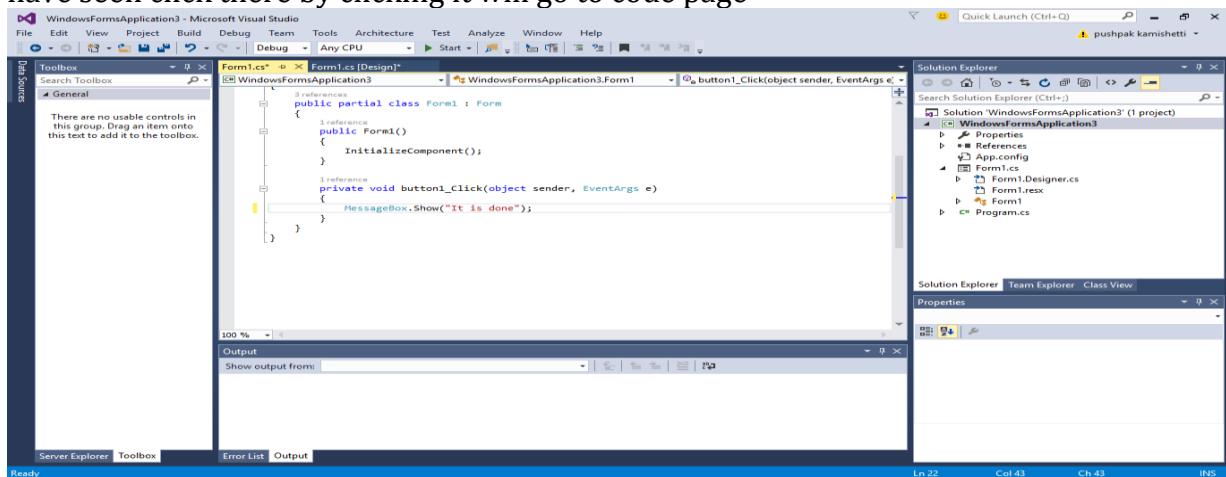


Figure 3step 3

Here I have written the code for the button that is `MessageBox.Show("It is done");` by clicking the button it will show the message.

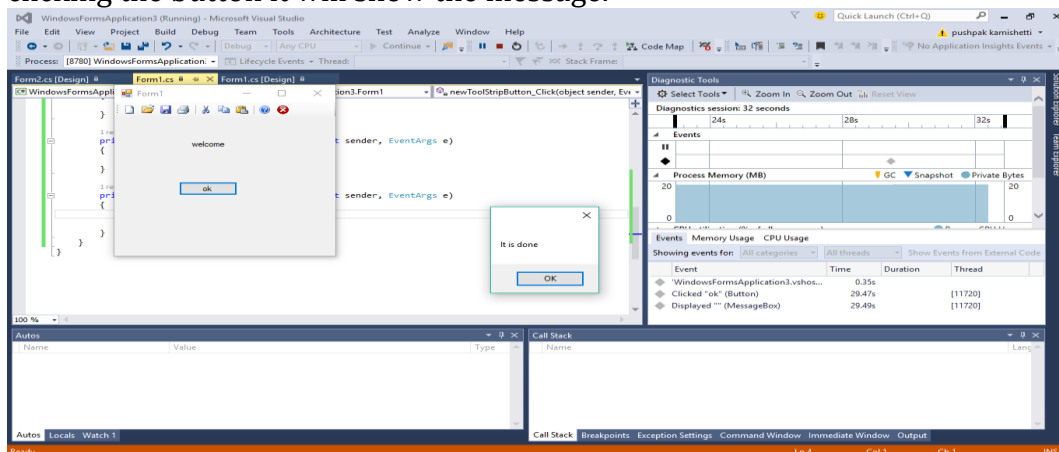


Figure 4step4

The output of the code and by clicking the button it shows the pop up message

### Tool tip:-

- Tool tip is known as information in the form tools
- In the application if user want to know about the about or any tool in the form and it help to user to continue process.

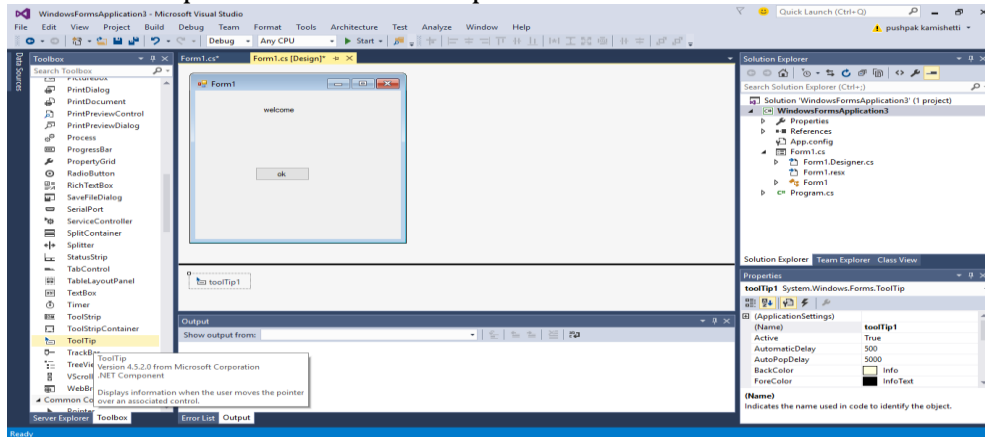


Figure 5step1

Here from the tools, I have added the tooltip in the form. And that tooltip is added to the button so it may get the details when the cursor moved to the button.

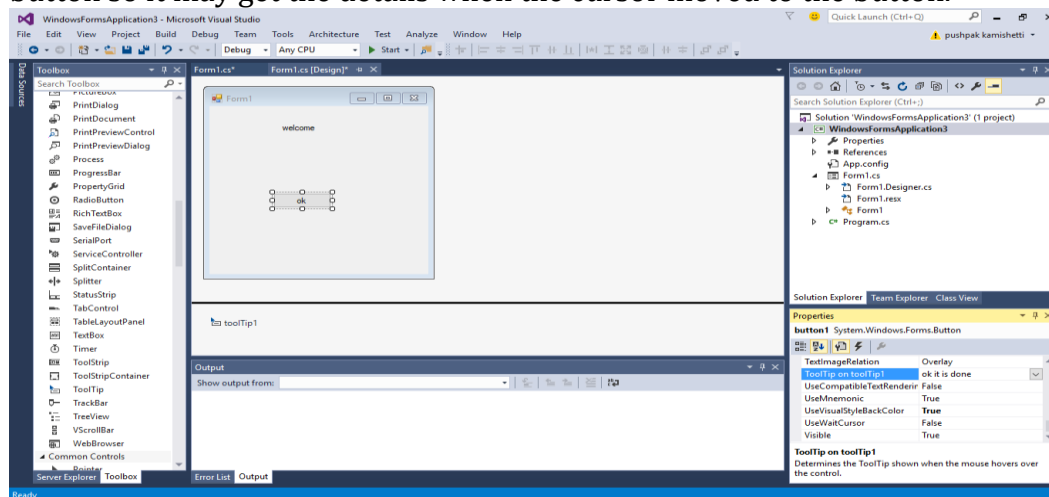


Figure 6step2

In the above screenshot, I have added the tooltip to the button and for writing the details, I have clicked on the button and beside at the properties on the tooltip there I have written the details.

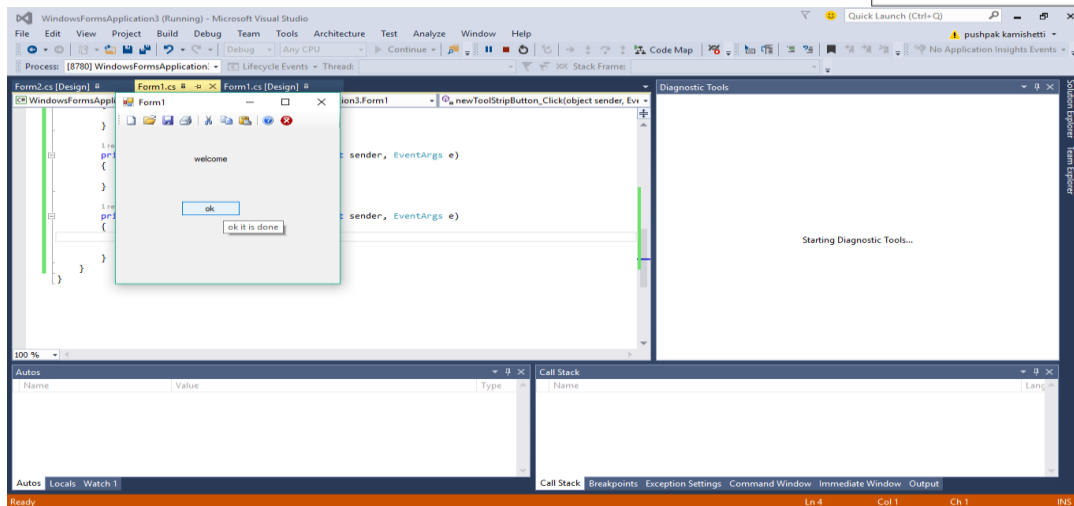


Figure 7output

The above screenshot is the output of the tooltip which I have assign to the button.

### Help menu:-

It is used to help the user for knowing what to there in the application and the developer to create this menu for user so that they can get help for small things.

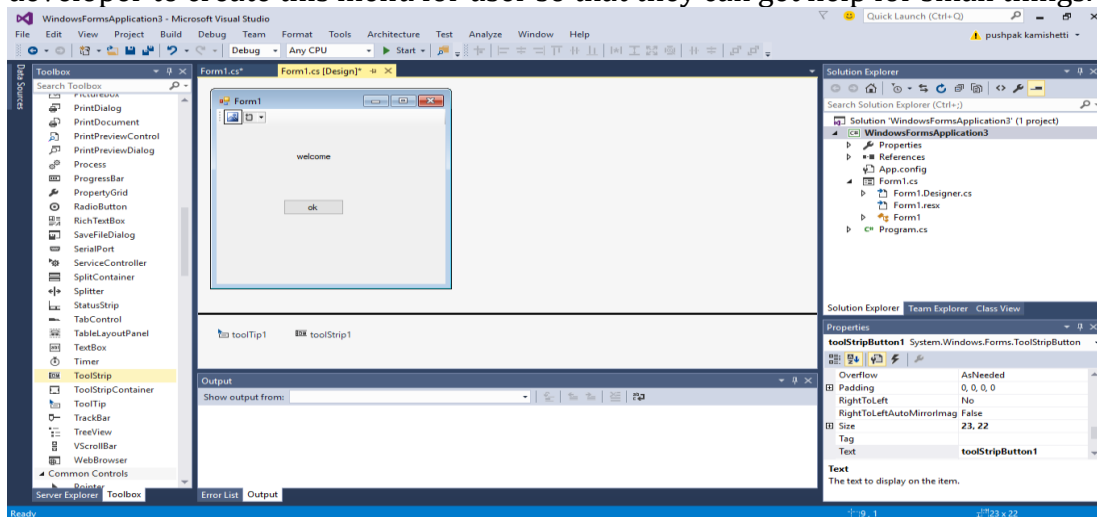
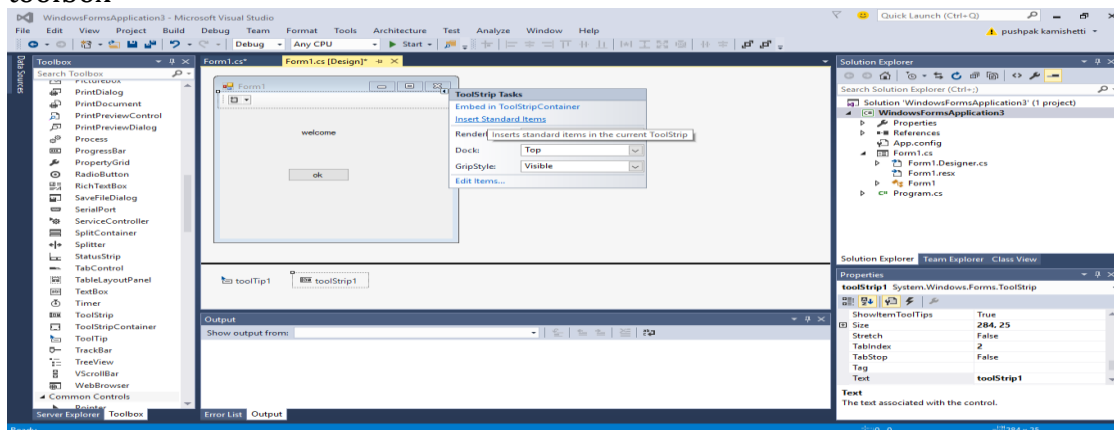


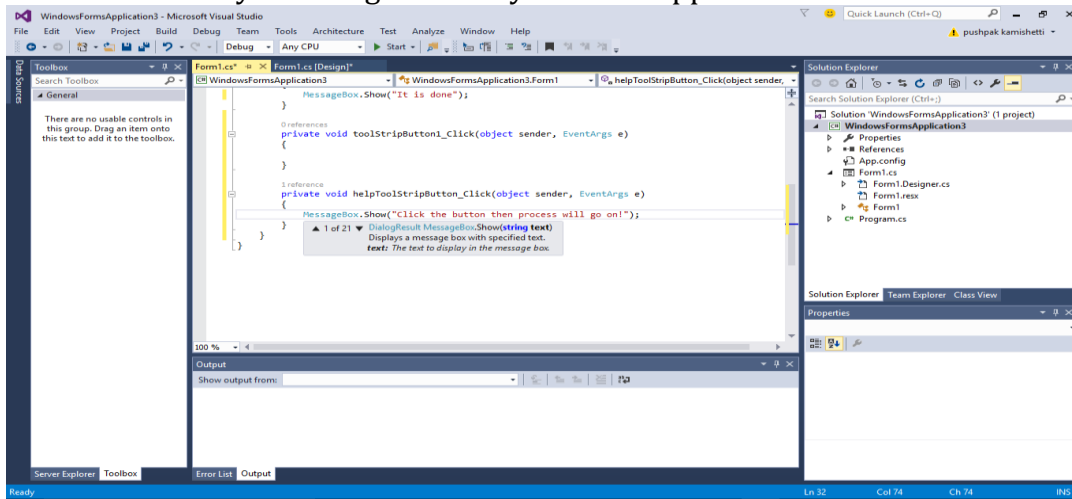
Figure 8step1

In the above screenshot I have added tool strip to the form and that is observed in the toolbox



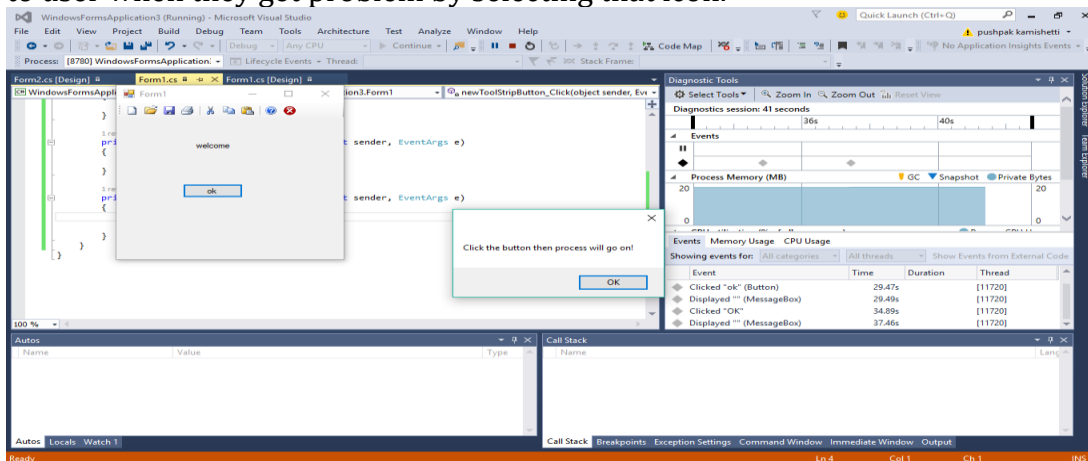
**Figure 9step2**

By clicking the arrow in the tool strip this message box is shown in the message box insert standard items by selecting that every icon will appear.



**Figure 10step3**

By selecting the help icon I will go to coding page where I have written `MessageBox.Show("Click the button then process will go on!");` this coding which will help to user when they get problem by selecting that icon.



**Figure 11output**

This is the output of the help menu coding which help the user to know what they have to next, if they problem.

### **.Net program:-**

```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

```

```
namespace WindowsFormsApplication3
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            MessageBox.Show("It is done");
        }

        private void helpToolStripButton_Click(object sender, EventArgs e)
        {
            MessageBox.Show("Click the button then process will go on!");
        }

        private void toolStripButton1_Click_1(object sender, EventArgs e)
        {
            Application.Exit();
        }

        private void newToolStripButton_Click(object sender, EventArgs e)
        {
            Form2 f2 = new Form2();
            f2.Show();
        }
    }
}
```

The output for the code is

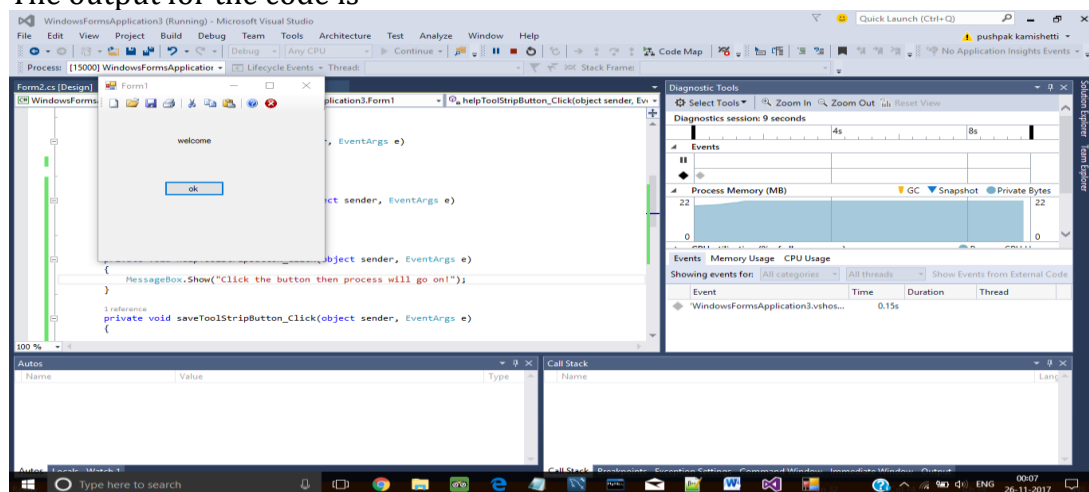


Figure 12 output for the above code

## 4.5

Create technical documentation for the support and maintenance of a .Net program solution, in a written report.

It should include:

- Designs
- Delivery system
- Platform
- Environment
- Coding

### Designs:-

The design page has numbers of tools which help the user to create new application to the user and it makes easy to develop in this environment and helps the developer to create the application in more attractive way and the design in any environment is prepared in the form.

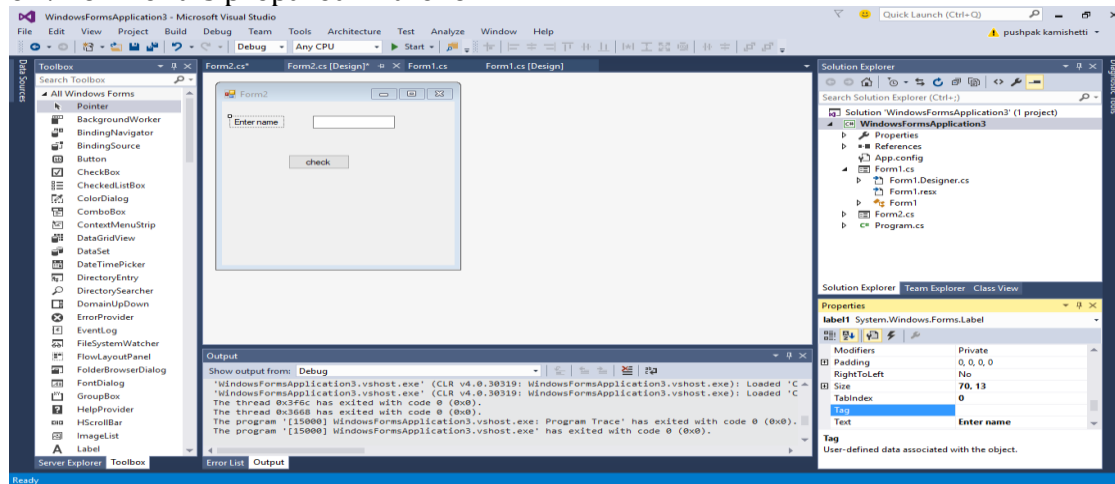


Figure 13 design page

By clicking any of the tool it will direct from design page to the coding page which will help to work the tool and helps the developer to complete the work and it will reduces the time of the developer of typing much code for creating one form and here there will be no need of big connection coding between the pages and it will be easy to learn.

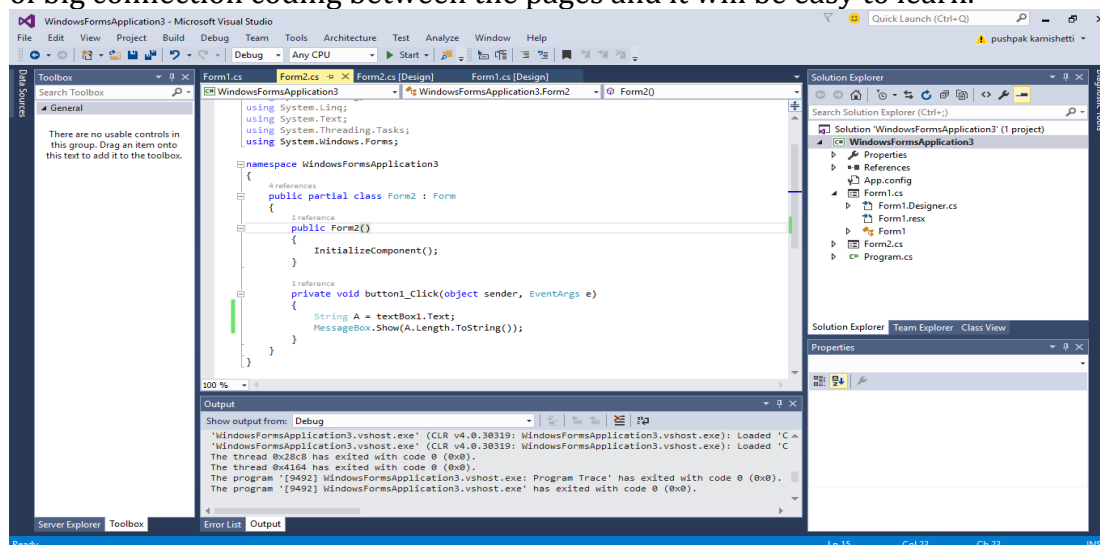


Figure 14 output

The page where the developer writes the code.

### Delivery system:-

The delivery system I am going to use for desktop

Desktop is the output display of code developer have enter, which the coding entered is displayed in the desktop, this is mainly used by the software application developer, which like developer enter the code in the IDE one and the developer try to execute the code in the desktop, the developer try to execute directly on the desktop like for example if the person is coding the net beans then the output will be display directly on the desktop.

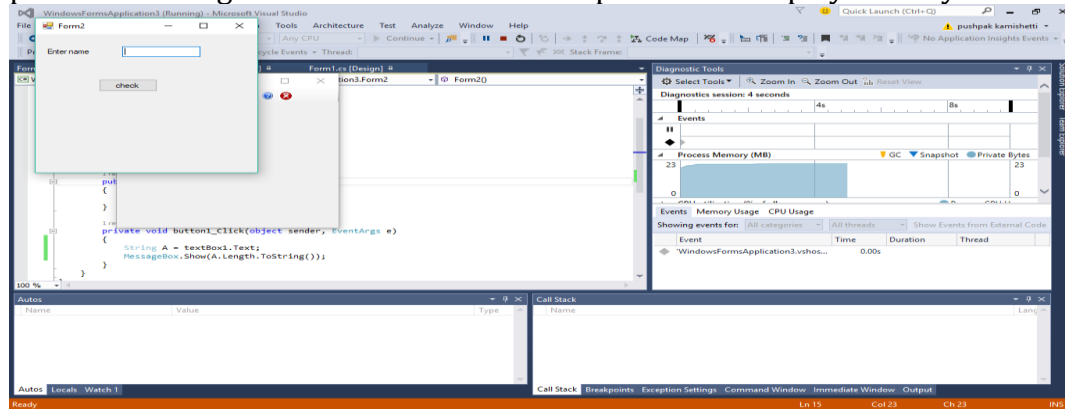


Figure 15 delivery system

### Platform:-

The platform I am working the c# is in windows and it is the best platform and it helps the user to recognize their mistakes and it is user friendly also, I am working the code in c# which is used by the developer to reduce the coding length to some extent and help the developer, will use both the windows and c# which help the developer to learn the code very easy way. It is a graphical user interface class library, which include visual studio as part of it and providing a platform to the client's applications for desktop, laptop and PCs. It spends most of the time simply waiting for the user to do something; it provides the native for windows user interface, common controls by wrapping the existent windows API in managed code. All the visual elements in the windows from class library derive form the control class. C# is the replacement of the C++ language and it makes the developer work load less.

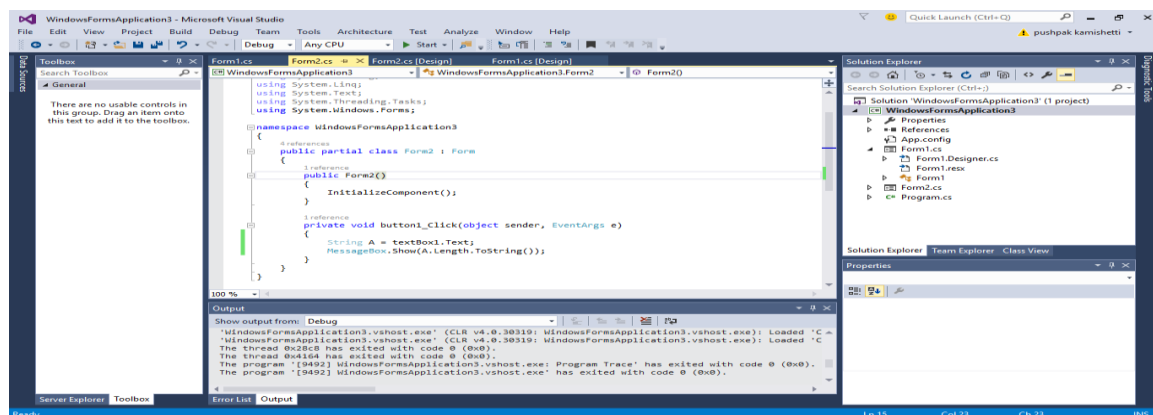


Figure 16 this is the code which is in C# and it is used in windows

### Environment:-

The environment I am going to use for the coding is visual studio

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It is an integrated development environment and it is used for developing the websites, windows application and mobile application etc. and it will work in every platform such as windows etc. which is current trending program where the many developers use this environment for the many application creation like for example it contains java forms, asp.net forms, c# forms which helps the developer to use their particular thing in easy way to developer for saving the storage.

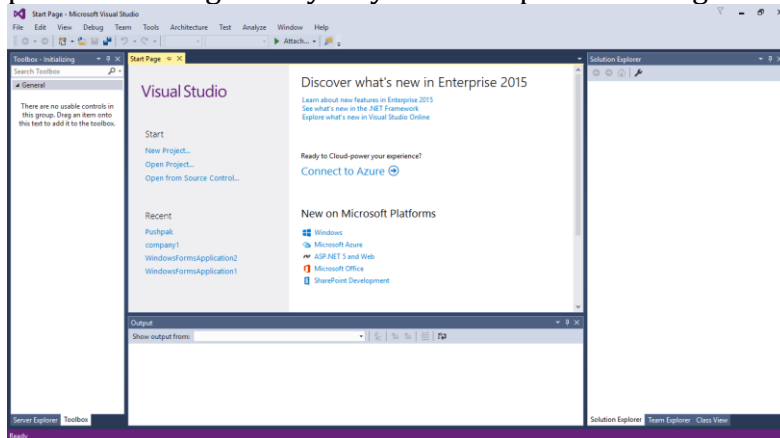


Figure 17visual studio

### Coding:-

Coding, I have done for calculating the string length.

```
using System;                                //using namespace system
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
```

```
namespace WindowsFormsApplication3
```

```
{
    public partial class Form2 : Form
    {
        public Form2()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            String A = textBox1.Text;           //setting a as text box
            MessageBox.Show(A.Length.ToString()); //code to calculate length and show
        }
    }
}
```

