

(T25)討論 LamdaExpression(表達式)、AnonymousMethod(匿名方法)、RegisterEvent(註冊事件)  
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## 1. New Project

### 1.1. Create New Project : Sample

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#### 2. Form1.cs

##### 2.1. Form1.cs [Design]

##### 2.2. Form1.cs

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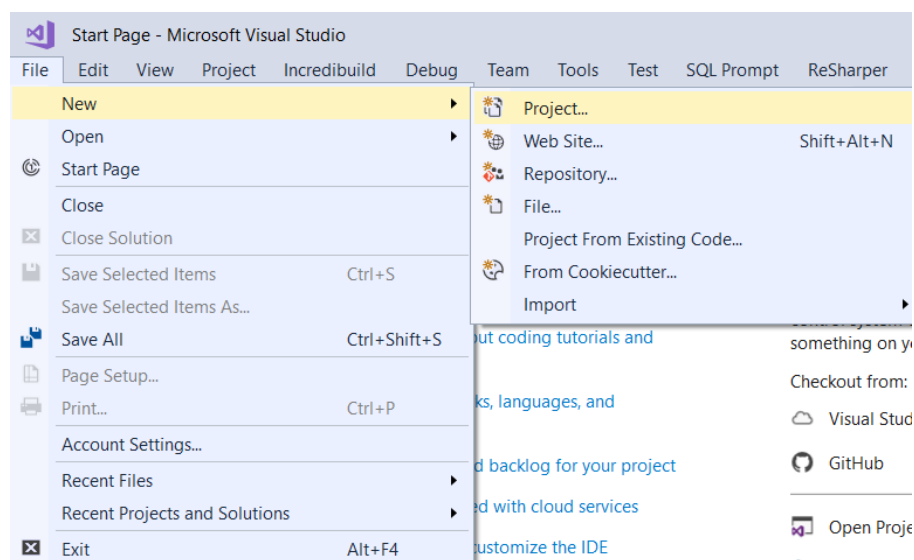
# 1. New Project

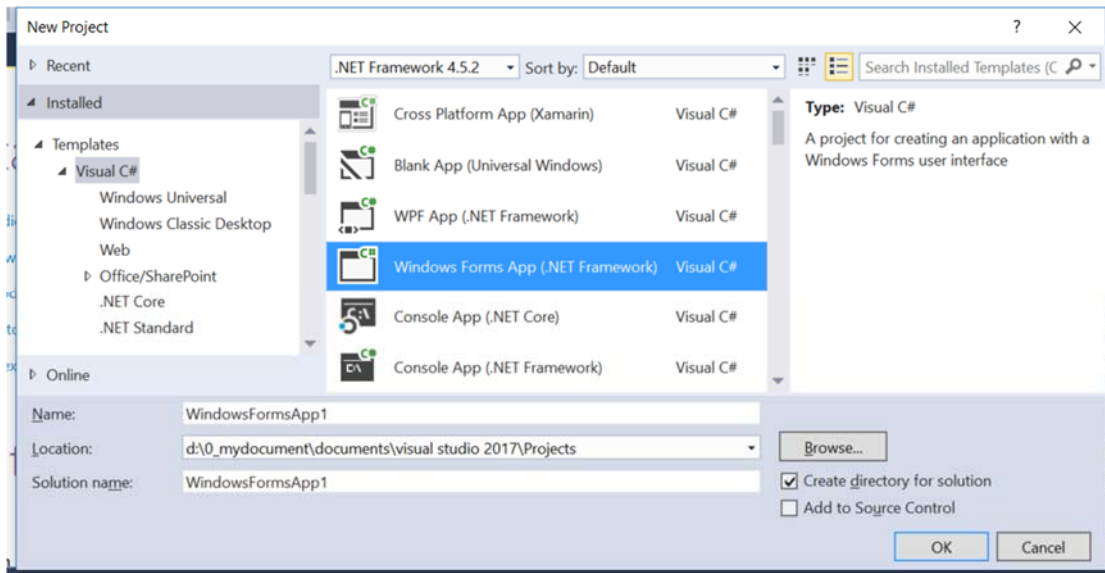
## 1.1. Create New Project : Sample

File --> New --> Project... -->

Visual C# --> **Windows Forms App (.Net Framework)** -->

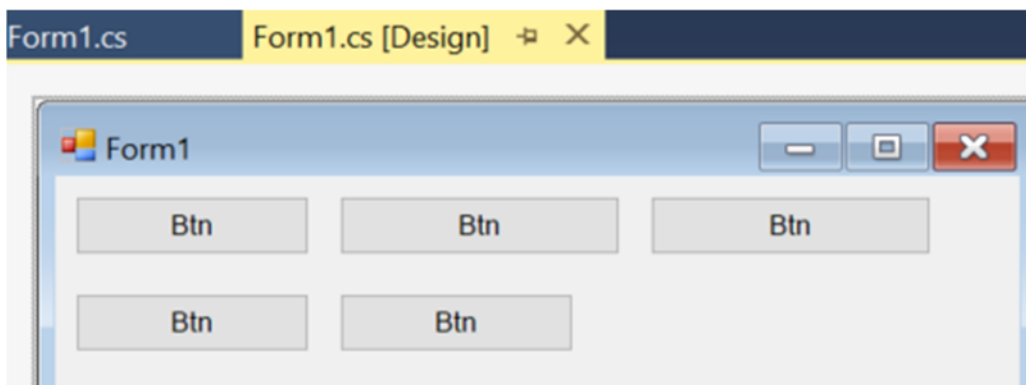
Name: **WindowsFormsApp1**





## 2. Form1.cs

### 2.1. Form1.cs [Design]



Drag and Drop 6 "Button"s on the Form and set the following properties

Name = btnClickMe  
 Name = btnClickMe2  
 Name = btnClickMe3  
 Name = btnClickMe4  
 Name = btnClickMe5  
 Name = btnClickMe6

### 2.2. Form1.cs

```
using System;
using System.Windows.Forms;
namespace WindowsFormsApp1
{
    public partial class Form1 : Form
```

```

{
    public Form1()
    {
        InitializeComponent();
        btnClickMe.Text = "btnClickMe";
        btnClickMe.Click += new EventHandler(btnClickMe_Click);
        btnClickMe2.Text = "btnClickMe2";
        btnClickMe2.Click += btnClickMe2_Click;
        btnClickMe3.Text = "btnClickMe3";
        btnClickMe3.Click += delegate (object obj, EventArgs eventArgs)
        {
            MessageBox.Show("btnClickMe3 Clicked");
        };
        //This sample of anonymous method omit parameters
        //because the body does not use these parameters.
        btnClickMe4.Text = "btnClickMe4";
        btnClickMe4.Click += delegate {
            MessageBox.Show("btnClickMe4 Clicked");
        };
        //Lambda expression can never omit parameters
        //no matter the body use these parameters or not.
        btnClickMe5.Text = "btnClickMe5";
        btnClickMe5.Click += (sender, args) => MessageBox.Show("btnClickMe5 Clicked");
    }
    void btnClickMe_Click(object sender, EventArgs e)
    {
        MessageBox.Show("btnClickMe Clicked");
    }
    void btnClickMe2_Click(object sender, EventArgs e)
    {
        MessageBox.Show("btnClickMe2 Clicked");
    }
}
}

```

