



ERASMUS+

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ASP.NET FORMS



ИНСТИТУТ
БИЗНЕСА
БГУ

Purpose of work:

learn to write code in WEB-Forms

Exercise.

Develop an application using WEB form

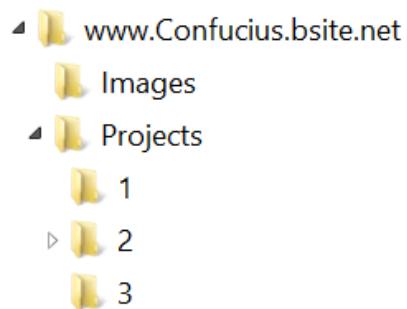
工作目的：

學習在 **WEB** 表單中編寫程式碼。

鍛煉。

使用 **ASP.NET WEB** 表單開發應用程式

.

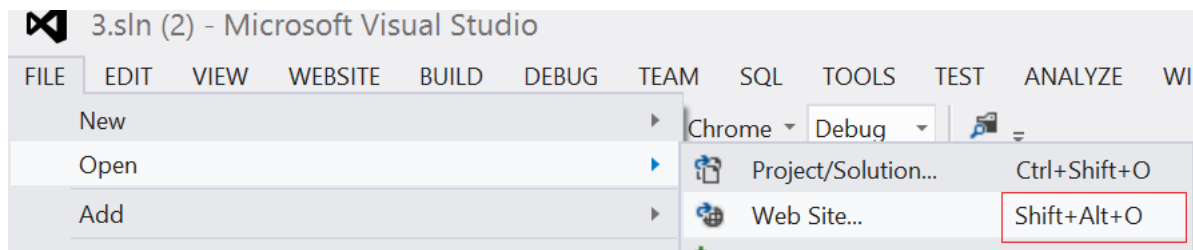


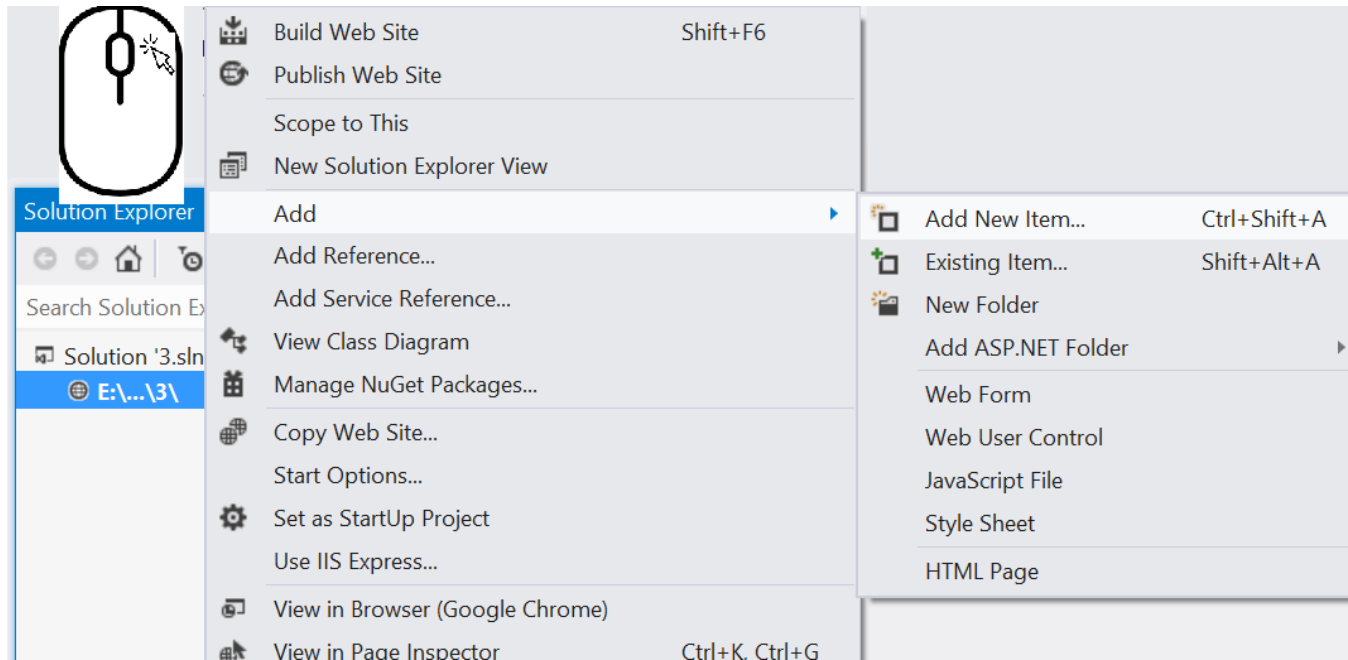
A copy of the site structure (subfolders) on your computer (hard drive or flash drive)

您的電腦（硬碟或
USB
快閃記憶體）上的
網站結構（子資料
夾）的副本

Open directory

開啟目錄





Add WEB form to
folder 3

E:\

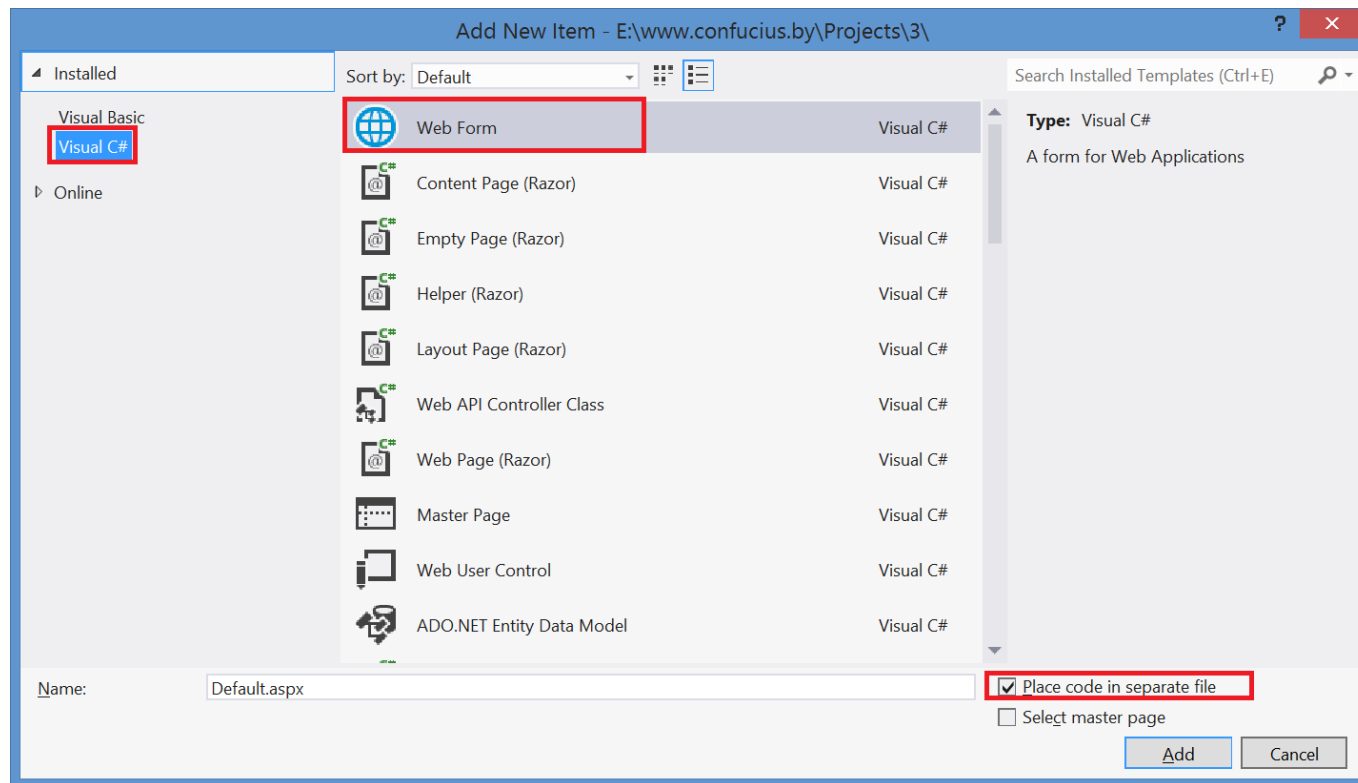
www.confucius.by\
Projects\3
as shown in the
picture

將WEB表單加入資料夾3

E:\

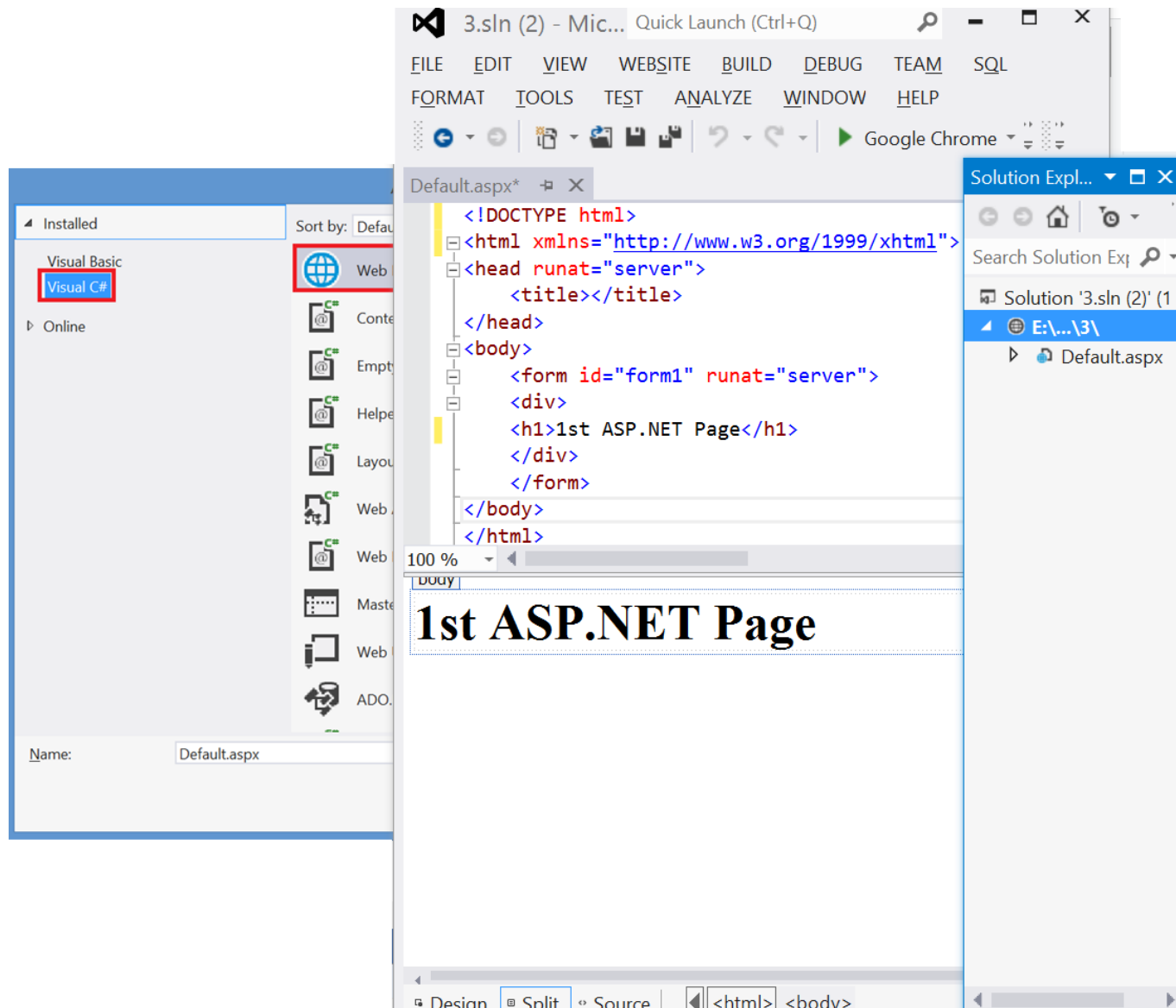
www.confucius.by\
Projects \3

如圖所示



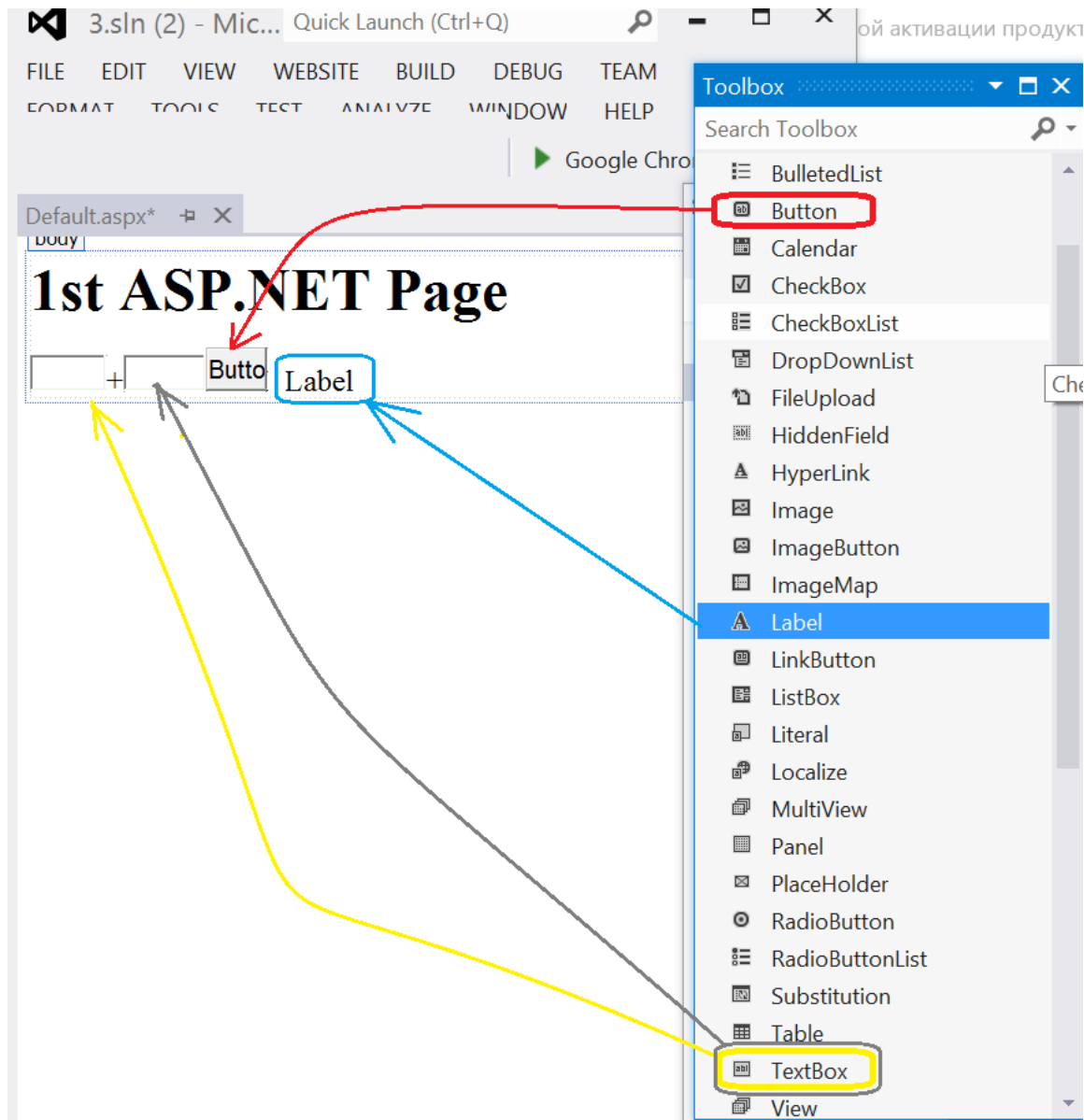
When adding a new form, select the programming language Visual C#-sharp and place the code in a separate file

新增表單時，選擇程式語言 Visual C#-sharp 並將程式碼放在單獨的檔案中



As a result, the Default.aspx file will be added, which opens by default

結果,
'Default.aspx
檔案'
文件將會被加入
預設會打開



Added 2 new text box fields,

One Key,

and 1 tag

in WEB form

In design mode.

新增 2

個文字方塊字段,

一鍵,

和 1 個標籤

以WEB形式

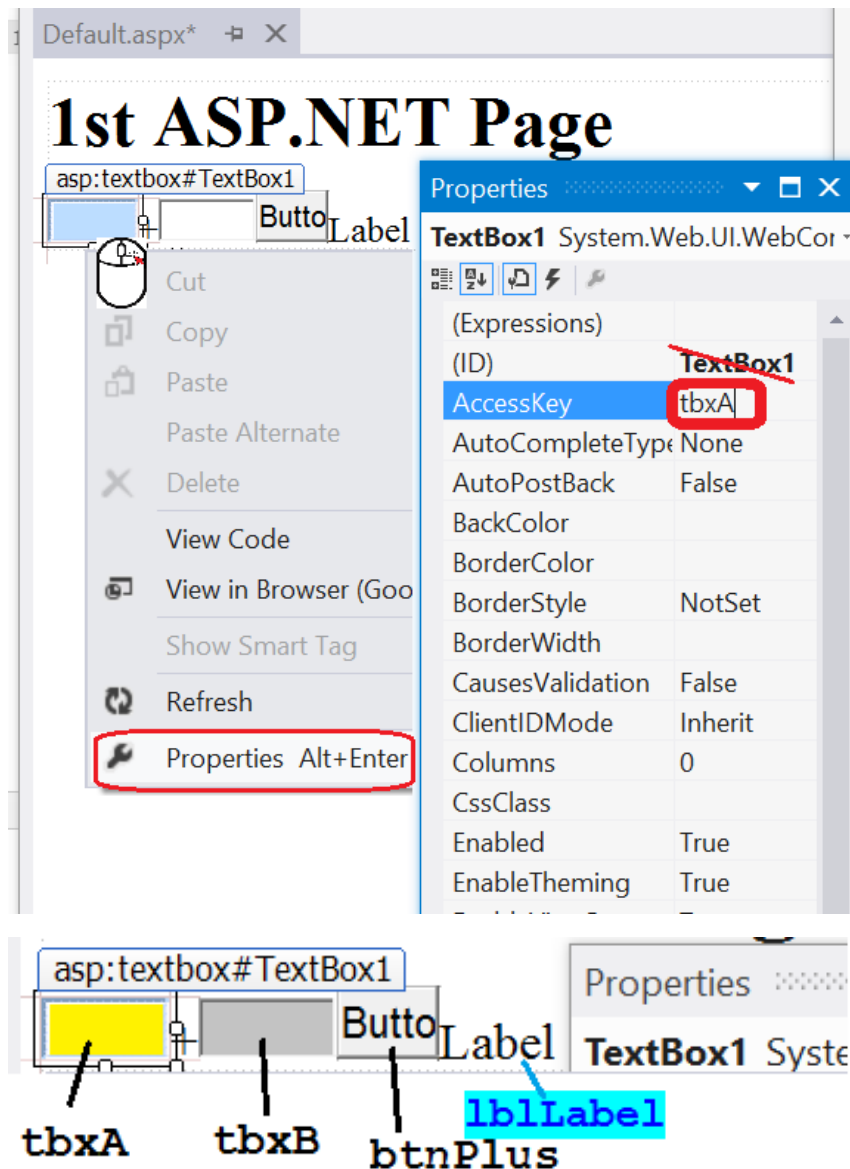
在設計模式下。

Rename the names of elements (TextBox'es, Label and Button) according to [Hungarian notation](#)

(If you don't have time, you can skip this operation)

根據匈牙利表示法重新命名元素名稱（文字方塊、標籤和按鈕）。

（如果沒有時間，可以跳過此操作）



```

<html
xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>1st ASP.NET Page</title>
</head>
<body>
<h1>1st ASP.NET Page</h1>
    <form id="form1" runat="server">
        <asp:TextBox ID="tbxA" runat="server" />+
        <asp:TextBox ID="tbxB" runat="server" />
        <asp:Button ID="btnPlus" Text="+"
        "OnClick="Sum" runat="server" /><br />
        <asp:Label ID="lblLabel" runat="server" />
    </form>
</body>
</html>

```

The resulting file
Default.aspx
should look like this

產生的文件

Default.aspx

應該看起來像這樣



```
<script language="C#" runat=server>

protected void Sum(Object sender, EventArgs e )
{
    int x = Convert.ToInt32 (tbxA.Text) ;
    int y = Convert.ToInt32 (tbxB.Text) ;
    lblLabel.Text = (x + y) .ToString() ;
}

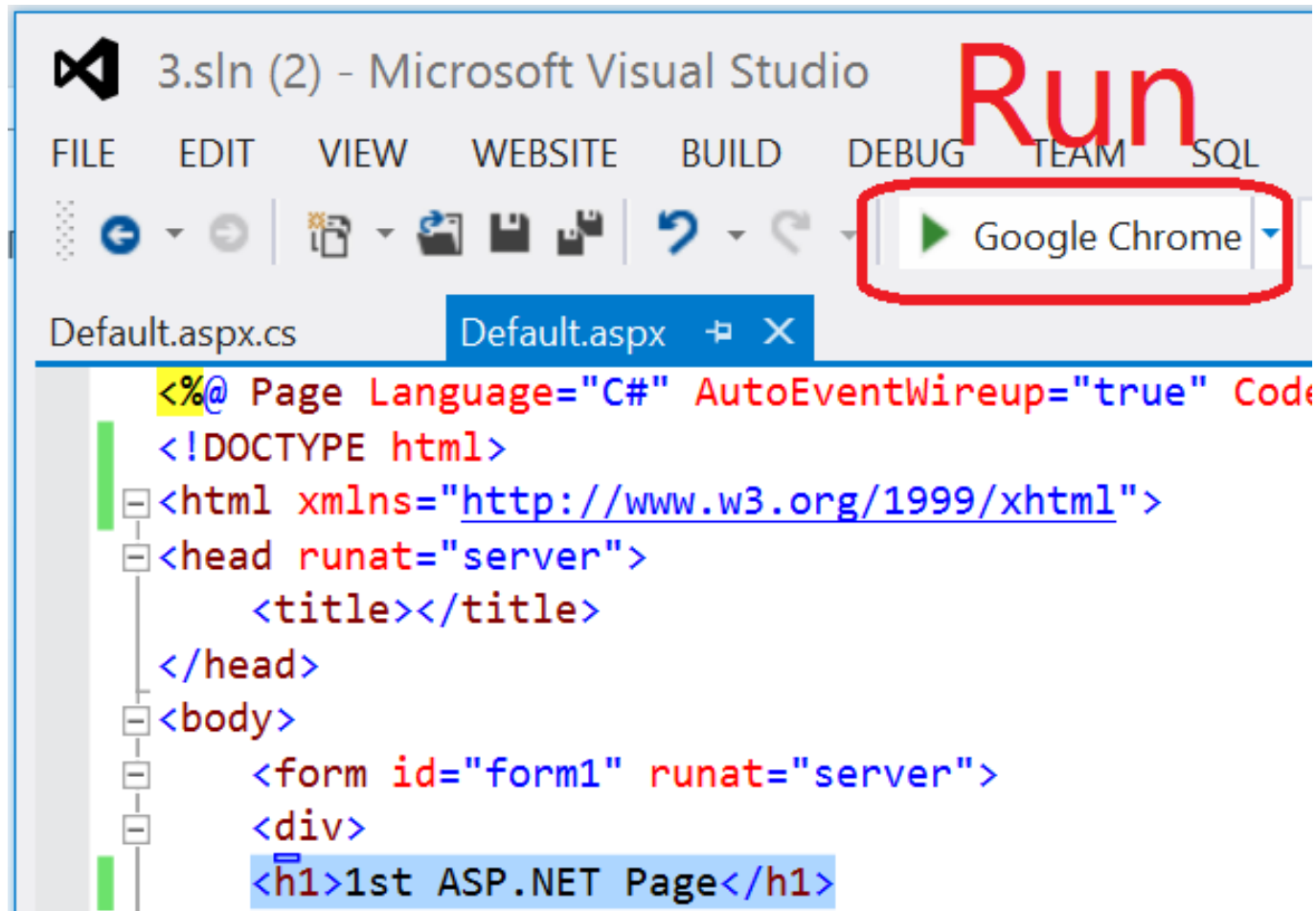
</script>
```

Add the Sum() method to the file Default.aspx.cs containing the code

將 Sum() 方法加入到包含程式碼的檔案 Default.aspx.cs

Run site (page Default.aspx) and test result

運行網站（頁面Default.aspx）並測試結果



In the Default.aspx.cs page we add error handling using the structure `try { } catch`

在 Default.aspx.cs 頁面中，我們使用結構添加錯誤處理

`try { } catch`

```
protected void
```

```
Sum(Object sender, EventArgs e) {
```

```
try
```

```
{
```

```
    int x = Convert.ToInt32(tbxA.Text);
```

```
    int y = Convert.ToInt32(tbxB.Text);
```

```
    lblLabel.Text = (x + y).ToString();
```

```
}
```

```
catch (FormatException)
```

```
{    lblLabel.Text = "<font color=red>Error</font>"; }
```

```
}
```

1st ASP.NET Page

hi + asp = Error

Laboratory work No. 1 Introduction to ASP.NET.

Purpose of work: learn to write code in WEB-Forms.

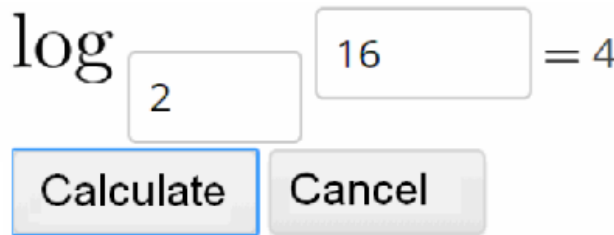
Exercise. Develop an application using WEB form

1. Create a website

File=>New=>Web Site

2. Add form

```
<%@ Page Language="C#" AutoEventWireup="true"
    CodeFile="Default.aspx.cs" Inherits="_Default" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            log
            <input type="text" value="2" />
            <input type="text" value="16" />
            = 4
        </div>
        </form>
    </body>
</html>
```



2. Add 2 TextBoxes and 2 Labels

```
<asp:Label ID="Label1" runat="server" Text="X="></asp:Label>
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
<asp:Label ID="Label2" runat="server" Text="Y="></asp:Label>
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
```

3. Add 2 buttons

```
<asp:Button ID="Button2" runat="server" Text="Cancel" />
<asp:Button ID="Button1" runat="server"
    OnClick="Button1_Click" Text="Calculate" />
```

4. Hang the code for calculating the binary logarithm on the button
protected void Button1_Click(object sender, EventArgs e)

```
{
    double x = double.Parse(TextBox1.Text);
    double a = double.Parse(TextBox3.Text);
    double y;
    y = Math.Log(x,2);
    TextBox2.Text = y.ToString();
}
```