

Practical:1b

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Services;

namespace wspractical1
{
    /// <summary>
    /// Summary description for WebService2
    /// </summary>
    [WebService(Namespace = "http://tempuri.org/")]
    [WebServiceBinding(ConformsTo = WsiProfiles.BasicProfile1_1)]
    [System.ComponentModel.ToolboxItem(false)]
    // To allow this Web Service to be called from script, using ASP.NET AJAX, uncomment
    the following line.
    // [System.Web.Script.Services.ScriptService]
    public class WebService2 : System.Web.Services.WebService
    {

        [WebMethod]
        public string HelloWorld()
        {
            return "Hello World";
        }
        [WebMethod]
        public double square(double f)
        {
            return f*f;
        }
    }
}
```

Output:

WebService2 Web Service x +

localhost:44351/WebService2.asmx

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WebService2

The following operations are supported. For a formal definition, please review the [Service Description](#).

- [HelloWorld](#)
- [squre](#)

This web service is using http://tempuri.org/ as its default namespace.

Recommendation: Change the default namespace before the XML Web service is made public.

Each XML Web service needs a unique namespace in order for client applications to distinguish it from other services on the Web. http://tempuri.org/ is available for XML Web services that are under development, but published XML Web services should use a more permanent namespace.

Your XML Web service should be identified by a namespace that you control. For example, you can use your company's Internet domain

WebService2 Web Service x +

localhost:44351/WebService2.asmx?op=squre

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WebService2

Click [here](#) for a complete list of operations.

squre

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
f:	<input type="text" value="5"/>

SOAP 1.1

WebService2 Web Service x https://localhost:44351/WebService2.asmx/squre x +

localhost:44351/WebService2.asmx/squre

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This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<double xmlns="http://tempuri.org/">25</double>
```

Webform1

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs"
Inherits="wspract1.WebForm2" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <div style="width: 256px">
                enter value</div>
            </div>
            <p>
                <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            </p>
            <p>
                <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="calculate" />
            </p>
            <p>
                <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
            </p>
        </form>
    </form>
</body>
</html>
```

Webform1.cs

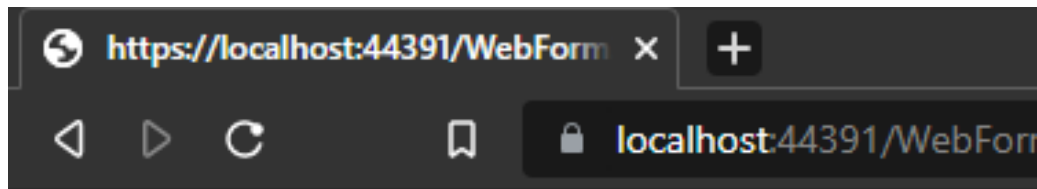
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace wspract1
{
    public partial class WebForm2 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            WebService1 ws = new WebService1();
            TextBox2.Text = ws.square(Convert.ToDouble(TextBox1.Text)).ToString();
        }
    }
}
```

```
}  
    }  
}
```



enter value