FirstService.asmx

using System;

using System.Web.Services;

using System.Xml.Serialization;

[WebService(Namespace = "http://localhost/MyWebServices/")]

public class FirstService : WebService{

[WebMethod]

public int Add(int a, int b) {

return a + b;

}

[WebMethod]

public String SayHello() {

return "Hello World";

}

}

Fig. 7.1

WebApp.aspx

<%@ Page Language = "C#" %>

<script runat = "server">

void runSrvice\_Click(Object sender, EventArgs e) {

FirstService mySvc = new FirstService();

Label1.Text = mySvc.SayHello();

Label2.Text = mySvc.Add(Int32.Parse(txtNum1.Text),

Int32.Parse(txtNum2.Text)).ToString();

}

</script>

<html>

<head> </head>

<body>

<form runat = "server">

<p>

<em>First Number to Add </em>:

<asp:TextBox id = "txtNum1" runat = "server" Width = "43px">4<

/asp:TextBox>

</p>

<p>

<em>Second Number To Add </em>:

<asp:TextBox id = "txtNum2" runat = "server" Width = "44px">5</asp:TextBox>

</p>

<p>

<strong><u>Web Service Result -</u></strong>

</p>

<p>

Fig.7.2

c:> WSDL http://localhost/MyWebServices/FirstService.asmx?WSDL

c:> csc /t:library FirstService.cs

Fig.7.3

WinApp.cs

using System;

using System.IO;

namespace SvcConsumer {

class SvcEater {

public static void Main(String[] args) {

FirstService mySvc = new FirstService();

Console.WriteLine("Calling Hello World Service: " + mySvc.SayHello());

Console.WriteLine("Calling Add(2, 3) Service: " + mySvc.Add(2, 3).ToString());

}

}

}

Fig.7.4