Feb 21th Assignment

By

Surya Teja Chandolu

|  |
| --- |
| 1. Update your Visual Studio with .Net Framework Templates |
|  |

|  |
| --- |
| 1. Create a web service for Mathematical Operations. Example : Factorial, add, mul, div |
| Code: |
| using System;  using System.Collections.Generic;  using System.Linq;  using System.Web;  using System.Web.Services;  namespace MatheMaticsWebService  {  /// <summary>  /// Summary description for MMWeb  /// </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 MMWeb : System.Web.Services.WebService  {  [WebMethod]  public int Factorial(int n)  {  int fact = 1;  for (int i = 1; i < n; i++)  fact = fact \* i;  return fact;  }  [WebMethod]  public int Add(int a, int b)  {  return a + b;  }  [WebMethod]  public int Sub(int a, int b)  {  return a - b;  }  [WebMethod]  public int Mul(int a, int b)  {  return a \* b;  }  [WebMethod]  public int Div(int a, int b)  {  return a / b;  }  }  } |
| Output: |
|  |

|  |
| --- |
| 1. Create a Console Application and consume the web service |
| Code: |
| using MMConsole.ServiceReference1;  using System;  using System.Collections.Generic;  using System.Linq;  using System.Text;  using System.Threading.Tasks;  namespace MMConsole  {  internal class Program  {  static void Main(string[] args)  {  MMWebSoapClient con = new MMWebSoapClient();  Console.WriteLine($"Factorial is {con.Factorial(5)}");  Console.WriteLine($"Addition is {con.Add(7, 5)}");  Console.WriteLine($"Subraction is {con.Sub(7, 5)}");  Console.WriteLine($"Multiplaction is {con.Mul(7, 5)}");  Console.WriteLine($"Divison is {con.Div(7, 5)}");  Console.ReadLine();  }  }  } |
| Output: |
|  |

|  |
| --- |
| 1. Create a Windows Forms application and consume the web service |
| Code: |
| using MMWindows.ServiceReference1;  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 MMWindows  {  public partial class Form1 : Form  {  public Form1()  {  InitializeComponent();  }  private void label1\_Click(object sender, EventArgs e)  {  }  private void button1\_Click(object sender, EventArgs e)  {  MMWebSoapClient win = new MMWebSoapClient();  int n = Convert.ToInt32(textBox1.Text);  textBox2.Text = win.Factorial(n).ToString();  }  }  } |
| Output: |
|  |

|  |
| --- |
| 1. Put the screen shots of web service running |
|  |