|  |
| --- |
| Day 21(21 feb) Assignment  by Ramakrishna |

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

|  |
| --- |
| 2. 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 Mywebapplication  {  /// <summary>  /// Summary description for Algebra  /// </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 Algebra : System.Web.Services.WebService  {  [WebMethod]  public string HelloWorld()  {  return "Hello World";  }  [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 mul(int a,int b)  {  return a\*b;  }  }  } |

|  |
| --- |
| 3. Create a Console Application and consume the webservice |
| Code: |
| using Day\_21\_\_Project\_1.ServiceReference2;  using System;  using System.Collections.Generic;  using System.Linq;  using System.Text;  using System.Threading.Tasks;  namespace Day\_21\_\_Project\_1  {  internal class Program  {  static void Main(string[] args)  {  AlgebraSoapClient obj = new AlgebraSoapClient();    Console.WriteLine(obj.Factorial(5));  Console.WriteLine(obj.Add(7,6));  Console.WriteLine(obj.mul(5,6));  Console.ReadLine();  }  }  } |
| Output: |
|  |

|  |
| --- |
| 4. Create a Windows Forms application and consume the webservice  [ for finding factorial of the number ] |
| Code:  using Day\_21\_Project\_3.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 Day\_21\_Project\_3  {  public partial class Form1 : Form  {  public Form1()  {  InitializeComponent();  }  private void button1\_Click(object sender, EventArgs e)  {  int n = Convert.ToInt32(textBox1.Text);  AlgebraSoapClient obj = new AlgebraSoapClient();  textBox2.Text = obj.Factorial(n).ToString();  Console.ReadLine();  }  }  } |
|  |