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| |  | | --- | | DAY – 21 ASSIGNMENTS  DATE :21/02/2022  DAY :MONDAY  BY  M.SAI HARI CHANDANA | | 2.Create a web service for mathematical operations  EX :Factorial, Add, Mul, Div ? | | CODE : | | sing System;  using System.Collections.Generic;  using System.Linq;  using System.Web;  using System.Web.Services;  namespace WebApplication1  {  /// <summary>  /// Summary description for WebService1  /// </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 WebService1 : 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 Mul(int a, int b)  {  return a \* b;  }  [WebMethod]  public int Div(int a, int b)  {  return a/b;  }  }  }   |  | | --- | | OUTPUT : | | | 3.create a console application and consume the webservice ? | | |  | | --- | | CODE : | | | using MyClientaApp.ServiceReference1;  using System;  using System.Collections.Generic;  using System.Linq;  using System.Text;  using System.Threading.Tasks;  namespace MyClientaApp  {  internal class Program  {  static void Main(string[] args)  {  WebService1SoapClient obj = new WebService1SoapClient();  Console.WriteLine(obj.Factorial(6));  Console.WriteLine(obj.Add(5, 2));  Console.WriteLine(obj.Mul(2, 6));  Console.WriteLine(obj.Div(4, 2));    Console.ReadLine();  }  }  } | | OUTPUT : |  |  | | --- | | 4.Create a windows forms application and consume thw webservice  [for finding the factorial of number]? | | CODE : | | 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;  using WindowsForms.ServiceReference1;  namespace WindowsForms  {  public partial class Form1 : Form  {  public Form1()  {  InitializeComponent();  }  private void button1\_Click(object sender, EventArgs e)  {  int n=Convert.ToInt32(textBox1.Text);  WebService1SoapClient obj = new WebService1SoapClient();  textBox2.Text=obj.Factorial(n).ToString();  Console.ReadLine();  }  }  } | |  | | 5.put the screen shots of web service running? | |  | |