**Practical no 4**

**AIM**: Use WCF to create a basic ASP.NET Asynchronous JavaScript and XML (AJAX) service..

**Program Code:-**

**WebForm1.aspx**

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| <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication2.WebForm1" %>  <!DOCTYPE html>  <html xmlns="http://www.w3.org/1999/xhtml">  <head runat="server">  <title></title>  <script src="jquery.js"></script>  <script type="text/javascript">  $(document).ready(function () {  $("#btn").click(function () {  var num1 = $("#txt1").val();  var num2 = $("#txt2").val();  $.ajax({  url: "Service1.svc/Sum",  type: "POST",  contentType: "application/json; charset=utf-8",  data:JSON.stringify({a: num1, b: num2}),  dataType: "json",  success : function(data){ $("#txt3").val(data.d); },  error : function(err){  alert(err);  }  });  });  });  </script>  </head>  <body>  <form id="form1" runat="server">  <div>  <input id="txt1" type="text" />  <br />  <br />  <input id="txt2" type="text" />  <br />  <br />  <input id="btn" type="button" value="Add Number" />  <br />  <br />  <input id="txt3" type="text" />  <p> Performed by krunal 713</p>  </div>  </form>  </body>  </html> |

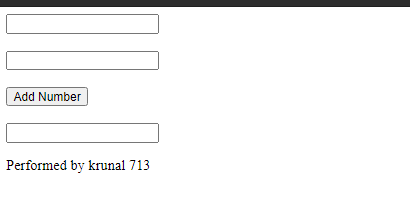
**Service1.svc.cs**

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| using System;  using System.Collections.Generic;  using System.Linq;  using System.Runtime.Serialization;  using System.ServiceModel;  using System.ServiceModel.Activation;  using System.ServiceModel.Web;  using System.Text;  namespace WebApplication2  {  [ServiceContract(Namespace = "Multiplication")]  [AspNetCompatibilityRequirements(RequirementsMode = AspNetCompatibilityRequirementsMode.Allowed)]  public class Service1  {  [OperationContract]  public double Sum(double a, double b)  {  double result = a + b;  return result;  }  }  } |

**Web.Config**

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| <?xml version="1.0" encoding="utf-8"?>  <!--  For more information on how to configure your ASP.NET application, please visit  https://go.microsoft.com/fwlink/?LinkId=169433  -->  <configuration>  <system.web>  <compilation debug="true" targetFramework="4.7.1"/>  <httpRuntime targetFramework="4.7.1"/>  </system.web>  <system.codedom>  <compilers>  <compiler language="c#;cs;csharp" extension=".cs"  type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"  warningLevel="4" compilerOptions="/langversion:default /nowarn:1659;1699;1701"/>  <compiler language="vb;vbs;visualbasic;vbscript" extension=".vb"  type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"  warningLevel="4" compilerOptions="/langversion:default /nowarn:41008 /define:\_MYTYPE=\&quot;Web\&quot; /optionInfer+"/>  </compilers>  </system.codedom>  <system.serviceModel>  <behaviors>  <endpointBehaviors>  <behavior name="WebApplication2.Service1AspNetAjaxBehavior">  <enableWebScript />  </behavior>  </endpointBehaviors>  </behaviors>  <serviceHostingEnvironment aspNetCompatibilityEnabled="true"  multipleSiteBindingsEnabled="true" />  <services>  <service name="WebApplication2.Service1">  <endpoint address="" behaviorConfiguration="WebApplication2.Service1AspNetAjaxBehavior"  binding="webHttpBinding" contract="WebApplication2.Service1" />  </service>  </services>  </system.serviceModel>  </configuration> |

**Output:-**

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