**Practical no 3**

**AIM:** Demonstrates using the binding attribute of an endpoint element in WCF with webform.

**Program Code:-**

**IService1.cs**

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| --- |
| using System;  using System.Collections.Generic;  using System.Runtime.Serialization;  using System.ServiceModel;  using System.Text;  namespace WcfService7  {  [ServiceContract]  public interface IService1  {  [OperationContract]  string Recharge(string Name, string company, string number, int amount);  }  } |

**Service1.svc.cs**

|  |
| --- |
| using System;  using System.Collections.Generic;  using System.Runtime.Serialization;  using System.ServiceModel;  using System.Text;  namespace WcfService7  {  public class Service1 : IService1  {  public string Recharge(string Name, string company, string number, int amount)  {  string message = string.Empty;    if (string.IsNullOrEmpty(Name) || string.IsNullOrEmpty(company))  {  message = "Please Enter your name or company name";  }  else  {  if (number.Length == 10 && amount > 0)  {  message = "Recharge of " + amount + " Rs has been done successfully.";  }  else  {  message = "Recharge unsuccessfull. Please try again";  }  }  return message;  }  }  } |

**WebForm.aspx**

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| --- |
| <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WcfService7.WebForm1" %>  <!DOCTYPE html>  <html xmlns="http://www.w3.org/1999/xhtml">  <head runat="server">  <title>>Mobile Recharge<</title>  <style>  \* {  box-sizing: border-box  }  /\* Add padding to containers \*/  .container {  padding: 16px;  }  /\* Full-width input fields \*/  input[type=text], input[type=password] {  width: 100%;  padding: 15px;  margin: 5px 0 22px 0;  display: inline-block;  border: none;  background: #f1f1f1;  }  input[type=text]:focus, input[type=password]:focus {  background-color: #ddd;  outline: none;  }  /\* Overwrite default styles of hr \*/  hr {  border: 1px solid #f1f1f1;  margin-bottom: 25px;  }  /\* Set a style for the submit/register button \*/  .registerbtn {  background-color: #4CAF50;  color: white;  padding: 16px 20px;  margin: 8px 0;  border: none;  cursor: pointer;  width: 100%;  opacity: 0.9;  }  .registerbtn:hover {  opacity: 1;  }  /\* Add a blue text color to links \*/  a {  color: dodgerblue;  }  /\* Set a grey background color and center the text of the "sign in" section \*/  .signin {  background-color: #f1f1f1;  text-align: center;  }  </style>  </head>  <body>  <form id="form1" runat="server">  <div>  <div class="container">  <caption class="auto-style1">  <h1>Recharge</h1>  <hr>  <label for="email"><b>Name</b></label>  <asp:TextBox ID="name" placeholder="Enter full name"  runat="server"></asp:TextBox>  <label for="company"><b>Company</b></label>  <asp:TextBox ID="company" placeholder="Enter full name"  runat="server"></asp:TextBox>  <label for="no"><b>Mobile number</b></label>  <asp:TextBox ID="no" placeholder="Enter full name" runat="server"></asp:TextBox>  <label for="amount"><b>Amount</b></label>  <asp:TextBox ID="amount" placeholder="Enter amount"  runat="server"></asp:TextBox>  <hr>  <asp:Button ID="rechargebtn" runat="server" Text="Recharge" BackColor="#4CAF50"  OnClick="rechargebtn\_Click" Height="48px" Width="159px" />  <hr>  <asp:Label ID="lbl" runat="server" Text=""></asp:Label>  </div>  </div>  </form>    </body>  </html> |

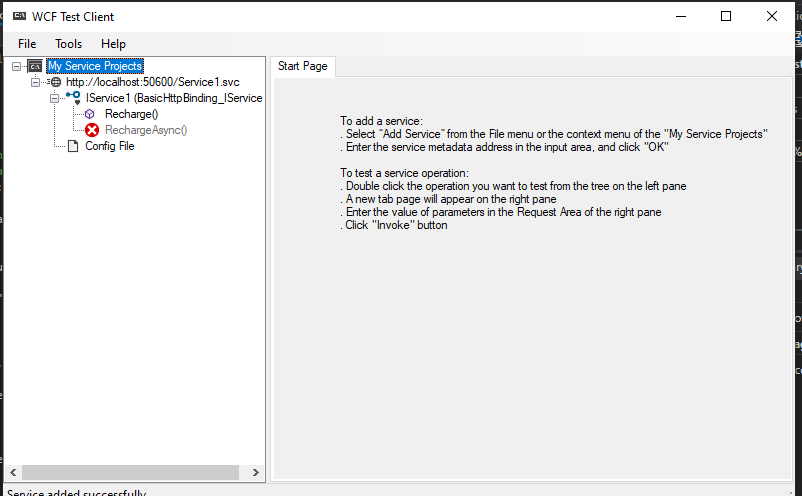
**WebForm.aspx.cs**

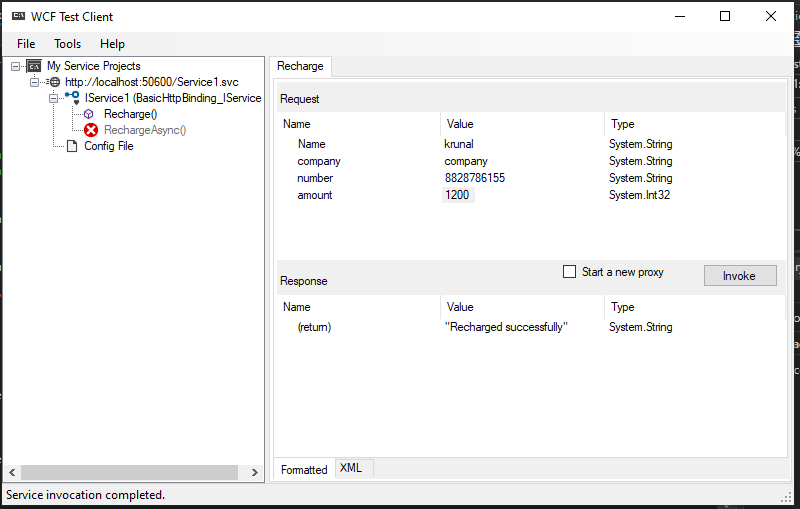
|  |
| --- |
| using System;  using System.Collections.Generic;  using System.Web;  using System.Web.UI;  using System.Web.UI.WebControls;  namespace WcfService7  {  public partial class WebForm1 : System.Web.UI.Page  {  protected void Page\_Load(object sender, EventArgs e)  {  }  protected void rechargebtn\_Click(object sender, EventArgs e)  {  try  {  ServiceReference1.Service1Client client = new ServiceReference1.Service1Client();  lbl.Text = client.Recharge(name.Text, company.Text, no.Text,  Convert.ToInt32(amount.Text));  }  catch (Exception)  {  }  }  }  } |

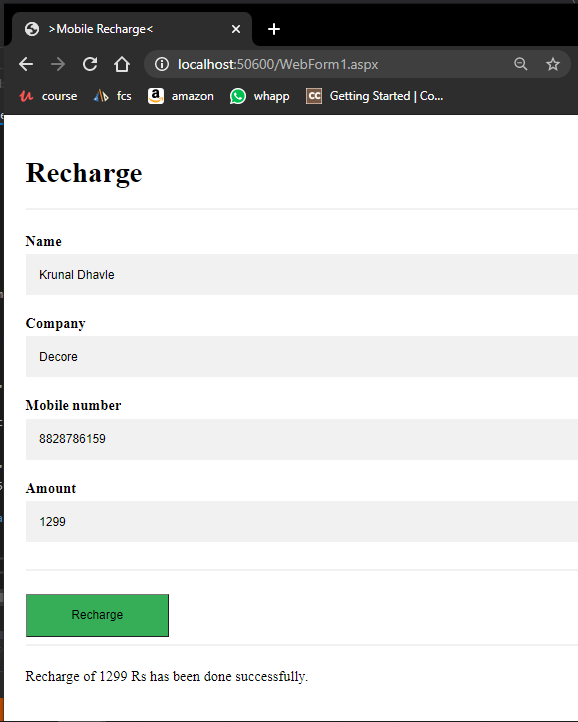
**WebConfig file**

|  |
| --- |
| <bindings>  <basicHttpBinding>  <binding name="BasicHttpBinding\_IService1" />  </basicHttpBinding>  </bindings>  <client>  <endpoint address="http://localhost:50600/Service1.svc" binding="basicHttpBinding"  bindingConfiguration="BasicHttpBinding\_IService1" contract="ServiceReference1.IService1"  name="BasicHttpBinding\_IService1" />  </client> |

**Output**

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