**TASK 1**

using System;

using System.ComponentModel;

using System.Diagnostics;

using System.Web.Services;

using System.Web.Services.Protocols;

using System.Xml.Serialization;

//

// This source code was auto-generated by wsdl, Version=4.0.30319.17929.

//

[System.CodeDom.Compiler.GeneratedCodeAttribute("wsdl", "4.0.30319.17929")]

[System.Web.Services.WebServiceAttribute(Namespace = "urn:vsr")]

[System.Web.Services.WebServiceBindingAttribute(Name = "SoapOverHttpBinding", Namespace = "urn:vsr")]

public partial class ProfileService : System.Web.Services.WebService

{

/// <remarks/>

[System.Web.Services.WebMethodAttribute()]

[System.Web.Services.Protocols.SoapDocumentMethodAttribute("urn:vsr/PrintProfile", RequestNamespace = "urn:vsr", ResponseNamespace = "urn:vsr", Use = System.Web.Services.Description.SoapBindingUse.Literal, ParameterStyle = System.Web.Services.Protocols.SoapParameterStyle.Wrapped)]

[return: System.Xml.Serialization.XmlElementAttribute("result")]

public string PrintProfile(string FirstName, string SecondName)

{

return FirstName + " " + SecondName;

}

}

**WSDL**

<definitions

xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"

xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"

xmlns:s="http://www.w3.org/2001/XMLSchema"

xmlns:vsr="urn:vsr"

xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"

xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"

targetNamespace="urn:vsr"

xmlns="http://schemas.xmlsoap.org/wsdl/"

xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"

>

<types>

<s:schema elementFormDefault="qualified" targetNamespace="urn:vsr">

<s:element name="PrintProfile">

<s:complexType>

<s:sequence>

<s:element minOccurs="0" maxOccurs="1" name="FirstName" type="s:string" />

<s:element minOccurs="0" maxOccurs="1" name="SecondName" type="s:string" />

</s:sequence>

</s:complexType>

</s:element>

<s:element name="PrintProfileResponse">

<s:complexType>

<s:sequence>

<s:element minOccurs="0" maxOccurs="1" name="result" type="s:string" />

</s:sequence>

</s:complexType>

</s:element>

</s:schema>

</types>

<message name="PrintProfileIn">

<part name="parameters" element="vsr:PrintProfile" />

</message>

<message name="PrintProfileOut">

<part name="parameters" element="vsr:PrintProfileResponse" />

</message>

<portType name="IProfileManager">

<operation name="PrintProfile">

<input message="vsr:PrintProfileIn" />

<output message="vsr:PrintProfileOut"/>

</operation>

</portType>

<binding name="SoapOverHttpBinding" type="vsr:IProfileManager">

<soap:binding transport="http://schemas.xmlsoap.org/soap/http" style="document" />

<operation name="PrintProfile">

<soap:operation soapAction="urn:vsr/PrintProfile" style="document" />

<input>

<soap:body use="literal" />

</input>

<output>

<soap:body use="literal" />

</output>

</operation>

</binding>

<service name="ProfileService">

<port name="SoapOverHttpPort" binding="vsr:SoapOverHttpBinding">

<soap12:address location="http://localhost:14000/profileservice"/>

</port>

</service>

</definitions>

TASK 2

using System;

using System.Collections.Generic;

using System.Web;

using System.Web.Services;

namespace SortService

{

/// <summary>

/// Summary description for Service1

/// </summary>

[WebService(Namespace = "http://tempuri.org/")]

[WebServiceBinding(ConformsTo = WsiProfiles.BasicProfile1\_1)]

[System.ComponentModel.ToolboxItem(false)]

public class Service1 : System.Web.Services.WebService

{

[WebMethod]

public int[] Sort(int[] arr)

{

Array.Sort(arr);

return arr;

}

}

}