**lservice1.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Runtime.Serialization;

using System.ServiceModel;

using System.ServiceModel.Web;

using System.Text;

namespace WcfService3

{

// NOTE: You can use the "Rename" command on the "Refactor" menu to change the interface name "IService1" in both code and config file together.

[ServiceContract]

public interface IService1

{

[OperationContract]

string GetData(int value);

[OperationContract]

int mul(string value1, string value2);

[OperationContract]

CompositeType GetDataUsingDataContract(CompositeType composite);

// TODO: Add your service operations here

}

// Use a data contract as illustrated in the sample below to add composite types to service operations.

[DataContract]

public class CompositeType

{

bool boolValue = true;

string stringValue = "Hello ";

[DataMember]

public bool BoolValue

{

get { return boolValue; }

set { boolValue = value; }

}

[DataMember]

public string StringValue

{

get { return stringValue; }

set { stringValue = value; }

}

}

}

**service.svc.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Runtime.Serialization;

using System.ServiceModel;

using System.ServiceModel.Web;

using System.Text;

namespace WcfService3

{

// NOTE: You can use the "Rename" command on the "Refactor" menu to change the class name "Service1" in code, svc and config file together.

// NOTE: In order to launch WCF Test Client for testing this service, please select Service1.svc or Service1.svc.cs at the Solution Explorer and start debugging.

public class Service1 : IService1

{

[WebInvoke(Method = "GET", ResponseFormat = WebMessageFormat.Json, UriTemplate = "mul/{value1}/{value2}")]

public int mul(string value1, string value2)

{

return int.Parse(value1) \* int.Parse(value2);

}

public CompositeType GetDataUsingDataContract(CompositeType composite)

{

if (composite == null)

{

throw new ArgumentNullException("composite");

}

if (composite.BoolValue)

{

composite.StringValue += "Suffix";

}

return composite;

}

}

}