



Vendor: Microsoft

Exam Code: 70-513

Exam Name: TS: Windows Communication Foundation
Development with Microsoft .NET Framework 4

Version: DEMO

QUESTION 1

You are creating a Windows Communication Foundation (WCF) service that is implemented as follows. (Line numbers are included for reference only.)

```
01 [ServiceContract]
02 [ServiceBehavior(includeExceptionDetailsInFaults = true)]
03 public class OrderService
04 {
05     [OperationContract]
06     public void Submit Order(Order anOrder)
07     {
08         try
09         {
10             ...
11         }
12         catch(DivideByZeroException ex)
13         {
14             ...
15         }
16     }
17 }
```

You need to ensure that the stack trace details of the exception are not included in the error information sent to the client.

What should you do?

- A. Replace line 14 with the following line. throw:
- B. Replace line 14 with the following line
throw new FaultException<Order>(anOrder, ex.ToString());
- C. After line 05, add the following line.
[FaultContract(typeof(FaultException<Order>))]
Replace line 14 with the following line
throw ex;
- D. Alter line 05, add the following line
[FaultContract(typeof(FaultException<Order>))]
Replace line 14 with the following line.
throw new FaultException<Order>(anOrder, "Divide by zero exception");

Answer: D

QUESTION 2

You are creating a windows Communication Foundation (WCF) service.

You do not want to expose the internal implementation at the service layer.

You need to expose the following class as a service named Arithmetic with an operation named Sum public class Calculator

```
{
public int Add(int x, nty)
{
}
}
```

Which code segment should you use?

- A. [ServiceContract (Namespace="Arithmetic")]

```
public class Calculator
{
    [OperationContract(Action="Sum")]
    public int Add(int x, int y)
    {}
}
```

- B. [ServiceContract(ConfigurationName="Arithmetic")]
- ```
public class Calculator
{
 [OperationContract(Action="Sum")]
 public int Add(int x, int y)
 {}
}
```
- C. [ServiceContract(Name="Arithmetic")]
- ```
public class Calculator
{
    [OperationContract(Name="Sum")]
    public int Add(int x, int y)
    {}
}
```
- D. [ServiceContract(Name="Arithmetic")]
- ```
public class Calculator
{
 [OperationContract(ReplyAction="Sum")]
 public int Add(int x, int y)
 {}
}
```

**Answer: C**

### QUESTION 3

You are developing a data contract for a Windows Communication Foundation (WCF) service. The data in the data contract must participate in round trips. Strict schema validity is not required. You need to ensure that the contract is forward-compatible and allows new data members to be added to it.

Which interface should you implement in the data contract class?

- A. ICommunicationObject
- B. IExtension <T>
- C. IExtensibleObject <T>
- D. IExtensibleDataObject

**Answer: D**

### QUESTION 4

A Windows Communication Foundation (WCF) application uses a data contract that has several data members.

You need the application to throw a `SerializationException` if any of the data members are not present when a serialized instance of the data contract is deserialized.

What should you do?

- A. Add the `Known Type` attribute to the data contract.  
Set a default value in each of the data member declarations.

- B. Add the Known Type attribute to the data contract.  
Set the Order property of each data member to unique integer value.
- C. Set the Emit Default Value property of each data member to false.
- D. Set the IsRequired property of each data member to true.

**Answer: D**

#### QUESTION 5

A Windows Communication Foundation (WCF) application uses the following data contract

```
[DataContract]
public class Person
{
 [DataMember]
 public string firstName;
 [DataMember]
 public string lastName;
 [DataMember]
 public int age;
 [DataMember]
 public int ID;
}
```

You need to ensure that the following XML segment is generated when the data contract is serialized.

```
<Person>
<firstName xsi:nil="true"/>
<lastName xsi:nil="true"/>
<ID>999999999 <ID>
</Person>
```

Which code segment should you use?

- A. [DataMember]  
public string firstName;  
[DataMember]  
public string lastName;  
[DataMember(EmitDefaultValue=true)]  
public int age = 0;  
[DataMember(EmitDefaultValue=true)]  
public int ID = 999999999;
- B. [DataMember(EmitDefaultValue false)]  
public string firstName = null;  
[DataMember(EmitDefaultValue = false)]  
public string lastName = null;  
[DataMember(EmitDefaultValue = true)]  
public int age = -1;  
[DataMember(EmitDefaultValue false)]  
public int ID = 999999999;
- C. [DataMember(EmitDefaultValue=true)]  
public string firstName;  
[DataMember(EmitDefaultValue=true)]  
public string lastName;

- ```
[DataMember(EmitDefaultValue=false)]
public int age = -1;
[DataMember(EmitDefaultValue=false)]
public int ID = 999999999
```
- D. [DataMember]
- ```
public string firstName = null;
[DataMember]
public string lastName = null;
[DataMember(EmitDefaultValue=false)]
public int age = 0;
[DataMember(EmitDefaultValue=false)]
public int ID = 999999999;
```

**Answer: D**

### QUESTION 6

The following is an example of a SOAP envelope.

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope">
<s:Header>
<h:StoreId xmlns:h="http://www.contoso.com">6495</h:StoreId>
</s:Header>
<s:Body>
<CheckStockRequest xmlns="http://www.contoso.com">
<ItemId>2469</ItemId>
</CheckStockRequest>
</s: Body>
</s:Envelope>
```

You need to create a message contract that generates the SOAP envelope.  
Which code segment should you use?

- A. [MessageContract (WrapperName="http://www.contoso.com")] ]
- ```
public class CheckStockRequest
{
    [MessageHeader (Namespace="http://www.contoso.com")]
    public int StoreId{get; set;}
    [MessageBodyMember (Namespace="http://www.contoso.com")]
    public int ItemId{get set;}
}
```
- B. [MessageContract (WrapperNamespace="http://www.contoso.com")]]
- ```
public class CheckStockRequest
{
 [MessageHeader (Namespace="http://www.contoso.com")]
 public int StoreId{get; set;}
 [MessageBodyMember (Namespace="http://www contoso.com")]
 public int ltemId{get; set;}
}
```
- C. [MessageContract (WrapperNamespace="http://www.contoso.com")] ]
- ```
public class CheckStockRequest
{
    [MessageHeader (Namespace="http://www.contoso.com")]
    public int StoreId {get; set;}
    public int ltemId {get; set;}
}
```

```
D. [MessageContract (WrapperNamespace="http://www.contoso.com")]
public class CheckStockRequest
{
    [MessageHeader (Namespace="http://www.contoso.com")]
    public int StoreId {get; set;}
    [MessageBodyMember]
    public int ItemId (get; set;)
}
```

Answer: B

QUESTION 7

You are developing a client that sends several types of SOAP messages to a Windows Communication Foundation (WCF) service method named PostData. PostData is currently defined as follows

```
[OperationContract]
void PostData (Order data);
```

You need to modify PostData so that it can receive any SOAP message. Which code segment should you use?

- A. [OperationContract (IsOneWay=true, Action="v", ReplyAction="-")]
void PostData (Order data);
- B. (OperationContract (IsOneWay=true, Action="v", ReplyAction = "."))
add PostData (BodyWriter data);
- C. [OperationContract]
void PostData (BodyWriter data);
- D. [OperationContract]
void PostData (Message data);

Answer: D

QUESTION 8

A class named TestService implements the following interface.

```
[ServiceContract]
public interface ITestService
{
    [OperationContract]
    DateTime GetServiceTime();
}
```

TestService is hosted in an ASP.NET application.

You need to modify the application to allow the GetServiceTime method to return the data formatted as JSON. It must do this only when the request URL ends in /ServiceTime. What should you do?

- A. Add this attribute to the GetServiceTime method.
[WebInvoke (Method="POST")]
In the web.config file, add this element to system.serviceModel/behaviors/endpointBehaviors.
<behavior name="Json">
<enableWebScript />

</behavior>

In the web.config file, configure TestService in the system.serviceModel/services collection as follows:

```
<service name="TestService">
  <endpoint address="/ServiceTime"
    contract="TestService"
    behaviorConfiguration="Json"
    binding="webHttpBinding" />
</service>
```

- B. Add this attribute to the GetServiceTime method.
[WebInvoke(Method="GET", UriTemplate="/ServiceTime",
ResponseFormat=WebMessageFormat.Json)]
In the web.config file, configure TestService in the system.serviceModel/services collection as follows:
- ```
<service name="TestService">
 <endpoint address="/ServiceTime"
 contract="TestService"
 binding="webHttpBinding" />
</service>
```
- C. Add this attribute to the GetServiceTime method  
[WebGet(ResponseFormat=WebMessageFormat.Json, UriTemplate="/ServiceTime")] Create a new svc file named Jsonversion.svc with the following content.
- ```
<%ServiceHost Service="TestService"
  Factory="System.ServiceModel.ActivationWebServiceHostFactory" %>
```
- D. Add this attribute to the GetServiceTime method.
[WebGet(UriTemplate="Json/ServiceTime")]
Create a new .svc file named Jsonversion.svc with the following content <%ServiceHost
Service="TestService"
Factory="System.ServiceModel.ActivationWebServiceHostFactory" %>

Answer: C

QUESTION 9

You are creating a Windows Communication Foundation (WCF) service that implements operations in a RESTful manner. You need to add a delete operation. You implement the delete method as follows:

```
void DeleteItems(string id);
```

You need to configure WCF to call this method when the client calls the service with the HTTP DELETE operation. What should you do?

- A. Add the WebInvoke(UriTemplate="/Items/id", Method="DELETE") attribute to the operation
B. Add the HttpDelete attribute to the operation
C. Replace the string parameter with a RemovedActivityAction parameter
D. Replace the return type with RemovedActivityAction.

Answer: A

QUESTION 10

A Windows Communication Foundation (WCF) service uses the following service contract.

```
[ServiceContract]
```

```
public interface IService
{
    [OperationContract]
    string Operation1 (string s);
}
```

You need to ensure that the operation contract Operation1 responds to HTTP POST requests. Which code segment should you use?

- A. [OperationContract]
[WebInvoke(Method="POST")]
string Operation1(string s);
- B. [OperationContract]
[WebGet(UriTemplate="POST")]
string Operation1 (string s);
- C. [OperationContract(ReplyAction="POST")]
string Operation1 (string s);
- D. [OperationContract(Action="POST")]
string Operation1(string s);

Answer: A

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