# Spring Questions and Answers – Web Services with XML Marshalling and service end points

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This set of Java Spring online test focuses on “Web Services with XML Marshalling and service end points”.

1. Spring-WS supports using XML marshalling technology to marshal and unmarshall objects to and from XML documents.  
a) True  
b) False  
View Answer

Answer: a  
Explanation: This technology is also known as object/XML mapping (OXM), because you are actually mapping objects to and from XML documents.

2. To implement endpoints with an XML marshalling technology, you have to extend the:-  
a) AbstractMarshallingPayload  
b) AbstractMarshalling  
c) AbstractMarshallingPayloadEndpoint  
d) None of the mentioned  
View Answer

Answer: c  
Explanation: To implement endpoints with an XML marshalling technology, you have to extend the AbstractMarshallingPayloadEndpoint class and configure an XML marshaller for it.

3. Marshaller for JAXB 1.0:-  
a) org.springframework.oxm.jaxb.Jaxb1Marshaller  
b) org.springframework.oxm.jaxb.Jaxb2Marshaller  
c) org.springframework.oxm.castor.CastorMarshall  
d) org.springframework.oxm.xmlbeans.XmlBeansMarshaller  
View Answer

Answer: a  
Explanation: JAXB 1.0 org.springframework.oxm.jaxb.Jaxb1Marshaller.

4. Marshaller for JAXB 2.0:-  
a) org.springframework.oxm.jaxb.Jaxb1Marshaller  
b) org.springframework.oxm.jaxb.Jaxb2Marshaller  
c) org.springframework.oxm.castor.CastorMarshall  
d) org.springframework.oxm.xmlbeans.XmlBeansMarshaller  
View Answer

Answer: b  
Explanation: JAXB 2.0 org.springframework.oxm.jaxb.Jaxb2Marshaller.

5. Marshaller for Castor:-  
a) org.springframework.oxm.jaxb.Jaxb1Marshaller  
b) org.springframework.oxm.jaxb.Jaxb2Marshaller  
c) org.springframework.oxm.castor.CastorMarshall  
d) org.springframework.oxm.xmlbeans.XmlBeansMarshaller  
View Answer

Answer: c  
Explanation: Castor org.springframework.oxm.castor.CastorMarshaller.

6. Marshaller for XMLBeans:-  
a) org.springframework.oxm.jaxb.Jaxb1Marshaller  
b) org.springframework.oxm.jaxb.Jaxb2Marshaller  
c) org.springframework.oxm.castor.CastorMarshall  
d) org.springframework.oxm.xmlbeans.XmlBeansMarshaller  
View Answer

Answer: d  
Explanation: XMLBeans org.springframework.oxm.xmlbeans.XmlBeansMarshaller.

7. Marshaller for JiBX:-  
a) org.springframework.oxm.jaxb.Jaxb1Marshaller  
b) org.springframework.oxm.jaxb.Jaxb2Marshaller  
c) org.springframework.oxm.castor.CastorMarshall  
d) org.springframework.oxm.jibx.JibxMarshaller  
View Answer

Answer: d  
Explanation: JiBX org.springframework.oxm.jibx.JibxMarshaller.

8. Marshaller for XStream:-  
a) org.springframework.oxm.jaxb.Jaxb1Marshaller  
b) org.springframework.oxm.jaxb.Jaxb2Marshaller  
c) org.springframework.oxm.xstream.XStreamMarshaller  
d) org.springframework.oxm.jibx.JibxMarshaller  
View Answer

Answer: c  
Explanation: XStream org.springframework.oxm.xstream.XStreamMarshaller.

9. Spring-WS supports various XML marshalling APIs.  
a) Castor  
b) JAXB 1.0  
c) XMLBeans  
d) All of the mentioned  
View Answer

Answer: d  
Explanation: Spring-WS supports various XML marshalling APIs, including JAXB 1.0, JAXB 2.0, Castor, XMLBeans, JiBX, and XStream.

10. For some marshalling APIs, the object model must be generated by them so that they can insert marshalling-specific information.  
a) True  
b) False  
View Answer

Answer: a  
Explanation: Because Castor supports marshalling between XML messages and arbitrary Java objects, you can start creating the following classes by yourself.

11. A marshalling endpoint requires:-  
a) marshaller  
b) unmarshaller  
c) all of the mentioned  
d) none of the mentioned  
View Answer

Answer: c  
Explanation: A marshalling endpoint requires both the marshaller and unmarshaller properties to be set. Usually, you can specify a single marshaller for both properties. For Castor, you declare a CastorMarshaller bean as the marshaller.

12. Castor requires a mapping configuration file to know how to map objects to and from XML documents.  
a) True  
b) False  
View Answer

Answer: a  
Explanation: You can create this file in the classpath root and specify it in the mappingLocation property (e.g., mapping.xml).

13. Spring-WS supports annotating an arbitrary class as a service endpoint by :-  
a) @Endpoint  
b) @End  
c) @Point  
d) None of the mentioned  
View Answer

Answer: a  
Explanation: Spring-WS supports annotating an arbitrary class as a service endpoint by the @Endpoint annotation, without extending a framework-specific class.

14. When you are using XML marshalling, WebServiceTemplate requires both the marshaller and unmarshaller properties to be set.  
a) True  
b) False  
View Answer

Answer: a  
Explanation: You can also set them to WebServiceGatewaySupport if you extend this class to have WebServiceTemplate auto-created.

15. A Spring-WS client can also marshall and unmarshall the request and response objects to and from XML messages.  
a) True  
b) False  
View Answer

Answer: a  
Explanation: As an example, we will create a client using Castor as the marshaller so that you can reuse the object models.