This set of Java Spring Questions and Answers for experienced focuses on "JSON with REST".

- 1. Payload format for REST services.
- a) RSS
- b) Atom
- c) JSON

d) All of the mentioned

View Answer

Answer: d

Explanation: JSON, in addition to RSS and Atom, has blossomed into a favorite payload format for REST services.

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- 2. All REST service payloads rely on XML markup.
- a) True
- b) False

View Answer

Answer: b

Explanation: JSON is different in the sense that its content is a special notation based on the JavaScript language.

- 3. Class that forms part of Spring to apply JSON content.
- a) MappingJacksonJsonView
- b) MappingJsonView
- c) MappingJacksonJson
- d) JsonView

View Answer

Answer: a

Explanation: In addition to relying on Spring REST support, we will also use the MappingJacksonJsonView class that forms part of Spring to facilitate the publication of JSON content.

- 4. The MappingJacksonJsonView class depends on Jackson JSON processor library.
- a) org.codehaus.jackson
- b) jackson-mapper-asl
- c) all of the mentioned
- d) none of the mentioned

View Answer

Answer: a

Explanation: The MappingJacksonJsonView class depends on the presence of the Jackson JSON processor library which can be downloaded at http://wiki.fasterxml.com/JacksonDownload.

5. Information you wish to publishas a JSON Object can be located in a RDBMS or text file, accessed through JDBC or ORM.

a) True

b) False
View Answer
Answer: a
Explanation: This information can be located in a RDBMS or text file, accessed through JDBC or ORM,
inclusively be part of a Spring bean or some other type of construct.
6. JSON payload consists of text and separators like.
a) { , }
b) (,)
c):
d) All of the mentioned
View Answer
Answer: d
Explanation: a JSON payload consists of text and separators like { , }, (,), : and ".
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7. To access JSON in a Spring application, library used is:-
a) JSON-LIB
b) SpringJSON-lib
c) JSON-lib
d) None of the mentioned
View Answer
Answer: a
Explanation: Though it's technically possible to access JSON in a Spring application (i.e., on the server side),
using a third-party Java library like JSON-LIB (http://json-lib.sourceforge.net/).
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8. You are often better served accessing and manipulating REST services with XML payloads in Spring
applications.
a) True
b) False
View Answer
Answer: a
Explanation: The Java platform's native support for XML, in addition to the fact that XML is more intuitive and
does not have the same processing limitations as browsers.
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9. Class which is capable of performing a multitude of operations on REST services.
a) RestTemplate b) XPathTemplate
c) XMLTemplate
d) JavaTemplate
View Answer
Answer: a
Explanation: Spring RestTemplate class is capable of performing a multitude of operations on REST services

in order for their payloads to be used inside Spring applications, processing elaborate XML responses requires using a set of approaches beyond those of this last class.

- 10. XML query language for selecting nodes from an XML document.
- a) XPathTemplate
- b) XPath
- c) All of the mentioned
- d) None of the mentioned

View Answer

Answer: b

Explanation: XPath—an XML query language for selecting nodes from an XML document— knowledge about Spring HttpConverterMessage, as well as supporting facilities like Spring XPathTemplate.

- 11. The Handler method assigns the returning XML payload to a String.
- a) True
- b) False

View Answer

Answer: a

Explanation: The handler method makes use of the getForObject method of the RestTemplate class and assigns the returning XML payload to a String, which is then added to the handler method Model object.

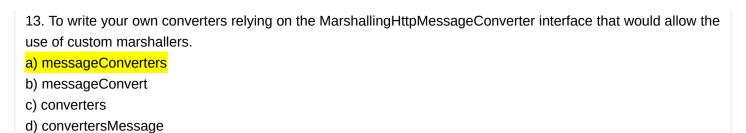
- 12. To extract and manipulate payloads in Spring REST in a format other than String.
- a) HttpConverter
- b) HttpMessage
- c) HttpConverterMessage
- d) None of the mentioned

View Answer

Answer: c

Explanation: All objects that are returned and inclusively passed to the methods belonging to the RestTemplate class are converted to and from HTTP messages using a class which implements the HttpConverterMessage interface.

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View Answer

Answer: a

Explanation: Using custom converters requires registering them with the messageConverters bean property in a Spring application.

14. To override the default implementations registered with the RestTemplate class.

a) messageConverters

- b) messageConvert
- c) converters
- d) convertersMessage

View Answer

Answer: a

Explanation: It's also possible to override the default implementations registered with the RestTemplate class using the same messageConverters bean property.

- 15. To extract and manipulate the contents of a REST service payload.
- a) messageConverters
- b) StreamSource class
- c) converters
- d) convertersMessage

View Answer

Answer: b

Explanation: It becomes easier to extract and manipulate the contents of a REST service payload since it can be done through the more flexible StreamSource class.

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