

Quiz name: **Advanced Java Unit 2 Review**Question with Most Correct Answers: **#12**Question with Fewest Correct Answers: **#14**Date: **10/27/2015**Total Questions: **17**

1. In order to use the Properties class, which package must be imported?

- 0/9 ☐ A No import is necessary.
- 0/9 ☐ B java.lang.*;
- 4/9 ☒ C java.util.*;
- 0/9 ☐ D java.collections.*;
- 4/9 ☐ E java.io.*;

2. Which of the following is NOT one of the main collection interfaces?

- 4/9 ☐ A List
- 3/9 ☒ B Hash
- 0/9 ☐ C Set
- 1/9 ☐ D Map

3. Which of the following provide natural ordering?

- 2/9 ☒ A TreeMap
- 3/9 ☒ B TreeSet
- 3/9 ☐ C HashMap
- 0/9 ☒ D SortedMap

4. Which of the following are true about a TreeMap?

- 7/9 ☒ A It implements the Map interface
- 3/9 ☒ B It can be viewed as a set of keys
- 4/9 ☒ C It can be viewed as a set of entries
- 0/9 ☐ D It cannot be sorted
- 2/9 ☒ E It can contain another collection as a value mapping

5. The Properties class is a type of:

- 0/9 ☐ A List

- 2/9 ☐ B Set
6/9 ☒ C Map
0/9 ☐ D ArrayList
-

6. The Properties class has key-value pairs that are Strings.
8/9 ☒ A True
0/9 ☐ B False
-

7. An HTTP Request:
is a single-line POST statement
0/9 ☐ A
3/9 ☐ B contains header records with information about the server
2/9 ☒ C contains explicit data, for example: information that the user enters in a form
6/9 ☒ D contains a set of header records with information about the browser submitting the request
-

8. An HTTP Response:
6/9 ☒ A is a set of header records with information about the server followed by the requested document
2/9 ☐ B is just the requested document sent from the server to the browser
0/9 ☐ C is only sent by a server when the requested resource can be found by the server
0/9 ☐ D is a set of header records with information about the browser
-

9. Which of the following are true about servlets?
7/9 ☒ A Servlets are Java programs that run on web or application servers.
3/9 ☐ B Servlets read the explicit data sent by the client.
4/9 ☒ C Servlets read the implicit HTTP request data sent by the browser.
4/9 ☒ D Only a single copy of a servlet class is loaded on a server. This approach reduces server memory requirements and saves time by instantiating fewer objects.
-

10. Servlets are:
- 0/9 ☐ A Part of the javax.transaction and javax.transaction.xa packages
- 0/9 ☐ B Part of the java.io and java.util packages
- 5/9 ☒ C Part of the javax.servlet and javax.servlet.http packages
- 3/9 ☐ D Part of the java.servlet and java.servlet.http packages
-

11. If 100 users access a servlet from 100 different browsers, how many instances of the servlet are instantiated?
- 2/9 ☐ A 100
- 0/9 ☐ B 50
- 6/9 ☒ C 1
- 0/9 ☐ D 0
-

12. In a servlet, the public void init() method is:
- 0/9 ☐ A called once for every request received by the servlet
- 8/9 ☒ B called once when the servlet is loaded
- 0/9 ☐ C called from the doGet() method
- 0/9 ☐ D called when the httpRequest header specifies that it be called
-

13. Which of the following are true of the servlet life cycle?
- 0/9 ☐ A Each user request results in the creation of a new instance of the servlet.
- 5/9 ☒ B Each user request results in a new thread that is handed off to doGet or doPost as appropriate.
- 7/9 ☒ C When a servlet is first created, its init() method is invoked, so init is where you put one-time setup code.
- 3/9 ☒ D The methods involved in the servlet lifecycle are init(), service() and destroy().
- 3/9 ☒ E The service() method calls doGet() or doPost().
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14. The textbook, Core Servlets and JSPS, suggests 10 different ways to debug servlets. Name as many techniques as you can.

Anon 3c0fb

log
println
use browser tools
IDE?

Anon 39f30

Use a System.out.println
Look at the logs

Anon 490c1

println(), log(), view source, compile error messages,

Anon 2cf65

Debug.log(servletName);
Check the Catalina Log

Anon 016a6

Catalina log

Anon 21309

use log
check the catalina
make sure you're using the right syntax
wing it
trial and error
google
and then google 3 other methods

Anon c5025

deploy application, look at catalina and log files

15. Which of the following would be good candidates for code to execute in the init() method?

- 3/9 ☐ A Create a connection to a database for all users to share
- 6/9 ☐ B Load properties
- 3/9 ☐ C Create a hit counter
- 6/9 ☐ D Configure the servlet
- 0/9 ☐ E Create unique user ids

16. Which of the following are true of the Map.Entry interface?

- 8/9 ☐ A Describes an element (a key/value pair) in a map. This is an inner class of Map.
- 5/9 ☐ B The Map.entrySet() returns a Set containing the map entries. Each of these set elements is a Map.Entry object.
- 0/9 ☐ C Must be used to add key/value pairs to a Map.
- 0/9 ☐ D Must be used to retrieve a value for a given key from a Map.

17. Which of the following are true when working with Properties?

- 0/9 ☐ A Comments in property files are designated by lines starting with //.
- 8/9 ☐ B Each key in a properties file is represented on the left side of the = sign, and each value is on the right side of the = sign.

Are best loaded with this syntax: `InputStream in = this.getClass().getResourceAsStream("/config.properties");`

5/9



```
try {  
    configProp.load(in);
```

....

3/9



You must make sure the property file is on the classpath.