



Web based java mock test-2

Maven

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- ✓ 1) Apache Maven is a software project management and comprehension tool. *

1/1

True



False



✓ 2. __ can manage a project's build, reporting and documentation from a central piece of information.* 1/1

- Maven
- Scala
- PHP
- None of the following



✓ 3. Is Maven can manage a project's build, reporting, and documentation from a central piece of information? * 1/1

- Yes
- No



✓ 4. In Maven, POM stands for ___. * 1/1

- Project Object Model
- Process Object Model
- Project Object Method
- All of the above



✓ 5. __ contains information about the project and various configuration detail used by Maven to build the project(s). *

- POM
- OOPS
- Both A and B
- None of the above



✓ 6. Which of the following are the phases of Maven Build Lifecycle? * 1/1

- validate
- prepare-resources
- compile
- All of the above



✗ 7. Which of the following is not type of Maven Repository? * 0/1

- local
- remote
- central
- dependency



✓ 8. Which of the following command removes the target directory with all the build data before starting the build process? *

- mvn clean
- mvn build
- mvn compile
- mvn site



✓ 9. What is the use of mvn package command in Maven? *

1/1

- Clears the target directory into which Maven normally builds your project.
- Builds the project and packages the resulting JAR file into the target directory.
- Prints out the version of Maven you are running.
- All of the above



✓ 10. Which of the following command builds the project described by your Maven POM file and installs the resulting artifact (JAR) into your local Maven repository? *

1/1

- mvn install
- mvn verify
- mvn package
- None of the above



✓ 11. Which one of the following is a naming scheme in which the implicit name for a mock object is the mocked type's name prepend with "mock". *

1/1

- RetroNamingScheme
- CamelCaseNamingScheme
- JavaReflectionImposteriser
- LastWordNamingScheme



✓ 12. Which of the following is used by maven? *

1/1

- config.xml
- pom.xml
- META-INF
- None of the above



✓ 13. What is the sequence in which maven looks for the resources? *

1/1

- Local -> Remote - Maven Central
- Remote-> Local -> Maven Central
- Remote-> Maven Central - > Local
- None of the above



✓ 14. Maven is used to do which of the following? *

1/1

- Build software development projects
- Publish software development projects
- Deploy software development projects
- All of the above



✓ 15. Which of the following is not a maven goal? *

1/1

- clean
- debug
- install
- None of the above



✓ 16. Which of the following aspects of a project can be managed using maven? *

1/1

- Builds
- Reporting
- Documentation
- All of the above



✓ 17. Which of the following is true about maven? *

1/1

- Maven is written in Java.
- Maven is initially released in 2004.
- Maven is developed by Apache software foundation.
- All of the above



✓ 18. Maven plugins are generally used to create*

1/1

- jar file
- ear file
- war file
- All of the above



✓ 19. Which of the following is true about clean maven life cycle? *

1/1

- This is used to build the application
- It cleans up artifacts created by prior builds
- This generates site documentation for the project.
- All of the above



✓ 20. Which command can tell the version of maven? *

1/1

- mvn version
- mvn --version ✓
- maven -version
- maven --version

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Web Based Java MOCK Test-1

JSP

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✓ 1) Can be extend JSP technology? *

1/1

Yes



No



✓ 2. Which of the following is not a directive in JSP? *

1/1

- include
- page
- export
- useBean



✓ 3. What is media type of JSP? *

1/1

- application/jsp
- text/javax
- java/jsp
- java/text



✓ 4. What is default value of autoFlush attribute in JSP? *

1/1

- True
- Null
- False



✓ 5. In JSP config is instance of which class? *

1/1

- javax.servlet.ServletContext
- javax.servlet.ServletConfig
- javax.servlet.Context
- javax.servlet.Application



✓ 6. For What JSP is used? *

1/1

- Server-side dynamic content generation
- Client Side language for validation



✓ 7. In JSP Action tags which tags are used for bean development? *

1/1

- A. jsp:useBean
- B. jsp:setProperty
- C. jsp:getProperty
- D. All of above



✓ 8.What is the default value of isScriptingEnabled attribute? *

1/1

- A. True
- B. False



✓ 9. Which of the following is true about <jsp:getProperty> action? *

1/1

- A. The getProperty action gets the properties of a bean.
- B. The getProperty action converts the property of a bean to a string, and finally inserts it into the output.
- C. Both of the above.
- D. None of the above.



✓ 10. All servlet classes are required to be mapped and configured in web.xml *

1/1

- A. Yes
- B. No



✓ 11. What is Full form of JSTL? *

1/1

- A. JSP Tag Library
- B. JavaServer Pages Standard Tag Library ✓
- C. Java Standard Tag Library
- D. None of the above.

✓ 12. Which of the following do not supports JSP directly? *

1/1

- A. Weblogic Server
- B. Apache HTTP Server ✓
- C. WebSphere Server
- D. Tomcat Server

✓ 13. Where filters are defined? *

1/1

- A. Filters are defined in the deployment descriptor file web.xml. ✓
- B. Filters are defined in the jsp pages.
- C. Both of the above.
- D. None of these



✓ 14. Which of the following is not a directive? *

1/1

- A. page
- B. include
- C. export
- D. useBean



✓ 15. "request" is instance of which one of the following classes? *

1/1

- A. HttpRequest
- B. Request
- C. HttpServletRequest
- D. ServletRequest



✓ 16. Which method of the Component class is used to set the position and size of a component in JSP? *

1/1

- A. setPosition()
- B. setSizePosition()
- C. setBounds()
- D. etSize()



✓ 17. Which of the following do not supports JSP directly? *

1/1

- A - Weblogic Server
- B - WebSphere Server
- C - Tomcat Server
- D - Apache HTTP Server



✓ 18. Which of the following action variable is used to include a file in JSP? *1/1

- A. jsp:getProperty
- B. jsp:include
- C. jsp:setProperty
- D. jsp:plugin



✓ 19. Which attribute uniquely identification element? *

1/1

- A. Class
- B. Name
- C. Scope
- D. ID



✖ 20. Which tag is used to set a value of a JavaBean? *

0/1

- A. <c:choose>
- B. <c:set>
- C. <c:param>
- D. <c:forward>

✖

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Web Based Java Programming 4

Total points 19/20 

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✓ 1) JSP stands for ____.*

1/1

- Java Server Pages
- Java Side Pages
- Java Server Phase
- All of the above



✓ 2) Which of the following is the correct syntax to declare comments in JSP? * 1/1

- <!-- This is JSP comment -->
- <%-- This is JSP comment --%> ✓
- //..
- All of the above

✓ 3) Which technology do we mix our business logic with the presentation logic? * 1/1

- Servlet ✓
- JSP
- Both A & B
- None of the above

✓ 4) Which JSP Action tags is used to include the content of another resource, it may be JSP, html or Servlet? * 1/1

- <jsp:plugin >
- <jsp:forward >
- <jsp:papam >
- <jsp:include > ✓



✓ 5) Which packages does a JSP API consist of? *

1/1

- javax.servlet.jsp
- java.servlet
- javax.servlet.jsp.tagext
- Both A & C



✓ 6) Compilation process of JSP page involves: *

1/1

- Parsing of JSP
- Turning JSP into servlet
- Compiling the servlet
- All of the above



✓ 7) What is the syntax of JSP Page directive? *

1/1

- <!@ page...!>
- <% page...%>
- <%@ page...%>
- None of the above



✓ 8) A __ is used to insert the value of a scripting language expression, converted into a string, into the data stream returned to the client. *

1/1

- ASP
- JSP expression
- PHP
- None of the above



✓ 9) Which one of the following is a syntax to create a simple JSP? *

1/1

- <html> <body> <% out.print(2*5); %> </body> </html>
- <html> <body> <! out.print(2*5); !> </body> </html>
- <html> <body> <%@ out.print(2*5); %> </body> </html>
- None of the above



✓ 10) Which tag should be used to pass information from JSP to included JSP? *

1/1

- Using <%jsp:param> tag
- Using <%jsp:page> tag
- Using <%jsp:useBean> tag
- Using <%jsp:import> tag



✓ 11) Which one is the correct order of phases in JSP life cycle? *

1/1

- Compilation, Initialization, Execution, Cleanup
- Cleanup, Compilation, Initialization, Execution
- Initialization, Cleanup, Compilation, Execution
- Initialization, Compilation, Cleanup, Execution



✓ 12) The difference between Servlets and JSP is: *

1/1

- compilation
- translation
- Both A and B
- syntax



✓ 13) Which page directive should be used in JSP to generate a PDF page? 1/1

*

- contentType
- generatePdf
- typePDF
- contentPDF



✓ 14) Which is not a directive? *

1/1

- include
- page
- export
- useBean



✗ 15) Which is mandatory in <jsp:useBean /> tag? *

0/1

- id, class
- id, type
- type, property
- type,id



Correct answer

- id, class

✓ 16) In JSP Action tags which tags are used for bean development? *

1/1

- jsp:useBean
- jsp:setProperty
- jsp:getProperty
- All of above



✓ 17) All servlet classes are required to be mapped and configured in web.xml.*

1/1

- Yes
- No



✓ 18) Which method of the Component class is used to set the position and size of a component in JSP? *

- setPosition()
- setSizePosition()
- setBounds()
- etSize()



✓ 19) What is the attribute of java bean to specify scope of bean to have single instance per Spring IOC? *

1/1

- prototype
- singleton
- request
- session



✓ 20) Which of the following is not a feature of Beans? *

1/1

- Introspection
- Events
- Persistence
- Serialization



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MOCK Test Advanced Java2

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✓ Q1) Which form of the JSP element is used to insert the content generated by other resources at the run-time? 1/1

- a>include directive
- b>forward action
- c>scripting elements
- d>include action



✓ Q2) The code placed within JSP declaration is inserted in _jspService(...) method , after the translation. State true or false. 1/1

True

False ✓

✓ Q3)JSP scriptlets are used for 1/1

a> Generating and sending dynamic content to Client.

b> Loops or Control Logic developed in Java ✓

c> Global data or method blocks.

✓ Q4)<jsp:param> action is used along with ----- to set the attributes 1/1

a> <jsp:useBean>

b> <jsp:forward>

c> <jsp:include>

d> <jsp:plugin>

a) both b and c ✓



✓ Q5)) How can a Servlet call a JSP error page ?

1/1

- A. This capability is not supported.
- B. When the servlet throws the exception, it will automatically be caught by the calling JSP page.
- C. The servlet needs to forward the request to the specific error page URL. The exception is passed along as an attribute named "javax.servlet.jsp.jspException". ✓
- D. The servlet needs to redirect the response to the specific error page, saving the exception off in a cookie.

✓ Q6)JSP pages have access to implicit objects that are exposed automatically. One such object that is available is request. The request object is an instance of which class?

1/1

- A. HttpServletRequest
- B. ServletRequest
- C. Request
- D. HttpServletRequest ✓

✓ Q7)Implementations of the _____ interface are notified of changes to the list of active sessions in a web application.

1/1

- A. HttpSessionListener ✓
- B. HttpSessionAttributeListener
- C. HttpRequestListener
- D. HttpContextListener



✓ Q8) A JSP page needs to generate an XML file. Which attribute of page directive may be used to specify that the JSP page is generating an XML file. 1/1

- A. contentType
- B. generateXML
- C. type
- D. outputXML



✓ Q9) What is legal about JSP scriptlets. 1/1

- A. A loop can begin in one Scriptlet and end in another
- B. Statements in Scriptlets should follow Java Syntax
- C. Semicolon is needed at the end of each statement in a Scriptlet
- D. All the above



✓ Q10) Why DB connections are not written directly in JSPs ? 1/1

- A. Response is slow
- B. Not a standard J2EE architecture
- C. Load Balancing is not possible
- D. Both B. and C.



✓ Q11) Why beans are used in J2EE architecture in stead of writing all the code in JSPs ? 1/1

- A. Allows separation of roles between web developers and application developers ✓
- B. Allows integration with Content Management tools
- C. To simplify the code.
- D. Both A and B.

✓ Q12) Which are JSP scripting elements and what are they? 1/1

- A. Declarations
- B. Scriptlets
- C. both A & B ✓
- D. none of the above

✓ Q13) You have created a action class called TakeTestAction to dispatch to takeTest.jsp and have configured in struts.xml. The class has only one method named perform() and does not have execute() method. Which of the following is true? 1/1

- A. While building the application, compile error is thrown.
- B. While accessing the action, an exception is thrown ✓
- C. takeTest.jsp is displayed
- D. takeTest.jsp is displayed, if the struts.devMode is set to true in struts.properties.



✓ Q14) Which of the following is true about the code segment below?

1/1

```
<s:form action="ForgotPassword" validate="true"> <s:textfield  
key="userid"/> <s:submit/> </s:form>
```

- A. Validation is enabled at the server side based on the configurations in <action class>-validaiton.xml.
- B. JavaScript client validation code is generated by the framework. ✓
- C. validate() method of the ActionForm class gets called when the form is submitted.
- D. None of the above

✓ Q15) What is the difference between RequestDispatcher and

1/1

sendRedirect? 1.RequestDispatcher:Server-side redirect with request and response objects. 2.sendRedirect:Client-side redirect with new request and response objects. 3.RequestDispatcher:Client-side redirect with request and response objects. 4.sendRedirect:Server-side redirect with new request and response objects.

- 1. only 1
- 2. only 1 and 2 ✓
- 3. only 3
- 4. only 3 and 4



✓ Q16) How Many Implicit Object In JSP?

1/1

- 1. 6
- 2. 7 ✓
- 3. 5
- 4. None Of Above

✓ Q17). What is the key difference between using a < jsp:forward > and
HttpServletResponse.sendRedirect()?

1/1

- 1. forward executes on the client while sendRedirect() executes on the server
- 2. forward executes on the server while sendRedirect() executes on the client ✓
- 3. The two methods perform identically.
- 4. none



✓ Q18) Which of the following are false i.custom tags are user defined 1/1
ii.custom tags encapsulating complex behaviour into simple and accessible form iii.custom tags can manipulate jsp content iv.custom tags usually defined in 1 servlet and used in other jsp page v.custom tags are available in jsp 1.0 and onwards only

- 1. i,ii and iv
- 2. iv and v
- 3. iv only
- 4. i,ii,iii



✓ Q19) Which of the following do not support JSP directly? 1/1

- A - Weblogic Server
- B - WebSphere Server
- C - Tomcat Server
- D - Apache HTTP Server



✓ Q20) Which of the following is an implicit object? 1/1

- A - pageContext
- B - servletContext
- C - httpContext
- D - sessionContext



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MOCK Test Advanced Java

Servlets

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✓ Q1) Which of the following code retrieves the name of the authentication scheme? 1/1

- A - new AuthType()
- B - response.getAuthType()
- C - request.getAuthType()
- D - None of the above.



✓ Q2) Which of the following is the correct order of filter life cycle phase methods? 1/1

- A - init(), service(), destroy()
- B - initialize(), service(), destroy()
- C - init(), doFilter(), destroy()
- D - init(), service(), delete()



✓ Q3) Which of the following code is used to add an attribute in a HTTP Session object in servlets? 1/1

- A - session.addAttribute(name,value)
- B - session.setAttribute(name,value)
- C - session.createAttribute(name,value)
- D - None of the above.



✓ Q4) A servlet needs to acquire a data source through a JNDI naming lookup. Which of the following is the best place to do this? 1/1

- a. Constructor
- b. init method
- c. service method
- d. doGet method
- e. doPost method



✓ Q5) What is the significance of placing the following code in Servlet's init method, with ServletConfig sc as the argument? (Assume : for the specified servlet there are entries in web.xml like : color ,font, preferences.) Enumeration e =sc.getInitParamNames(); String s=null; While (e.hasMoreElements()) { s=(String) e.nextElement(); System.out.println("Name : "+s+" Value="+sc.getInitParameter(s)); }

- A. It prints the name & value pairs of servlet's initialization parameters on the client browser.
- B. It prints the name & value pairs of servlet's initialization parameters on the web server's console. ✓
- C. It prints the name & value pairs of servlet's request parameters on the client browser.
- D. It prints the name & value pairs of servlet's request parameters on the web server's console.

✓ Q6) A web application is located in a directory named 'iacsd'. Its deployment descriptor will be located in which of the following? 1/1

- A. iacsd
- B. iacsd/WEB-INF ✓
- C. iacsd/META-INF
- D. iacsd/WEB



✓ Q7) If the HTTP error 500 is generated by your servlet, you do not want to show the "Internal Server Error" page to the client. Instead, you want a custom error page to be displayed. What is the best way to accomplish this?(without re-compiling the servlet)

- A. Forward the user to the error page using `HttpServletResponse.sendRedirect` method.
- B. Forward the user to the error page using `RequestDispatcher.forward` method.
- C. Specify the mapping of the error-code 500 and the error page in the deployment descriptor. ✓

✓ Q8) Which of the following should NOT be used to share data between servlets/JSPs for a single client? 1/1

- A. Attributes of `ServletContext`
- B. Enterprise Java Beans
- C. Attributes of `Session`
- D. Attributes of the `pageContext` ✓

✓ Q9) What is the purpose of the `getWriter()` method of `ServletResponse`? 1/1

- To obtain a `ServletWriter` object to send information back to the client.
- To obtain a `JspWriter` object to send information back to the client.
- To obtain a `PrintWriter` object to send information back to the client. ✓
- None of the above.



✓ Q10) What will be the result of client pressing the HTML link 'Next' in case 1/1 of cookies being disabled at the client end? Hello1.jsp <%@ page session="true" %> <% Integer num=new Integer(101); session.setAttribute("myData",num); String url=response.encodeURL("Hello2.jsp");%> <a href="<%= url %>"> Next Hello2.jsp My Data is : <%= session.getAttribute("myData") %>

- A. Client gets the error message : Null Pointer Exception.
- B. Client gets : My Data is : 101 ✓
- C. Client gets : My Data is : null
- D. Client gets My Data is :

✓ Q11) Dynamic interception of requests and responses to transform the 1/1 information is done by

- A. servlet container
- B. servlet config
- C. servlet context
- D. servlet filter ✓



✓ Q12)At the time of deployment, Container can read the list of required services from 1/1

- a> Beans property file
- b> Configuration file
- c> Deployment descriptor ✓
- d> Container's config file.

✓ Q13)HTTP Servlets can always maintain session tracking using 1/1

- a> HyperText Link
- b> URL rewriting
- c> Cookies
- d> both b and c ✓

✓ Q14)Session Tracking is supported as a part of Generic Servlet. State true or false. 1/1

- True
- False ✓



✓ Q15) The Web Server will automatically create the thread-safety support 1/1 for the servlet only if

- a> Servlet methods are synchronized
- b> synchronized blocks are created
- c>SingleThreadModel interface is implemented ✓
- d>Monitor is created ofr the servlet

✓ Q16) Which class provides stream to read binary data such as image etc. 1/1 from the request object?

- A. ServletInputStream ✓
- B. ServletOutputStream
- C. Both A & B
- D. None of the above

✓ Q17) In the web.xml , session configuration is <session-config> <session-timeout>0</session-timeout> </session-config> What does this means? 1/1

- A. Session are never invalidated. ✓
- B. Sessions are never created.
- C. Session timeout is 0 so sessions never get created.
- D. None of the above



✓ Q18) Which of the following are the session tracking techniques?

1/1

- A. URL rewriting, using session object, using response object, using hidden fields
- B. URL rewriting, using session object, using cookies, using hidden fields ✓
- C. URL rewriting, using servlet object, using response object, using cookies
- D. URL rewriting, using request object, using response object, using session object
- Other: -----

✓ Q19) A user types the URL <http://www.xyz.com/Blog.php>. Which HTTP request gets generated. Select the one correct answer.

1/1

- A. GET method ✓
- B. POST method
- C. HEAD method
- D. PUT method

✓ Q20) Which of the following are class?

1/1

1.ServletContext
2.HttpServlet
3.GenericServlet
4.HttpServlet

- A. 1,2,3,4
- B. 1,2
- C. 3,4 ✓
- D. 1,4



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MOCK TEST 2 - Web Based Java Programming

Web Based java Programming based multiple choice test

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1. Which of the following statement is not correct about HTTP method ? *

- A POST request append data to the end of the URL.
- A GET request append data to the end of the URL.
- HTTP DELETE method request for the Server to delete the resource
- HTTP OPTIONS request for communication options available on the request/response chain



2. Which of the following database is not supported by Hibernate? *

- A - DB2/NT
- B - MySQL
- C - FoundationDB
- D - PostgreSQL

3. Which of the following isn't a core interface of Hibernate? *

- A. SessionManagement
- B.Session
- C.Configuration
- D.Criteria

4. Which of the following is not a valid implicit object in EL? *

- A. header
- B. headerValues
- C. params
- D. paramValues



5. Assuming the standard JSTL prefix conventions are used, which JSTL tags would you use to iterate over a collection of objects? *

- A. <x:forEach>
- B. <c:iterate>
- C. <c:forEach>
- D. <c:forTokens>

6. Deployment Descriptor(DD) is a _____. *

- Servlet used to maintain other servlet.
- Text document
- XML document that is used by Web Container to run servlets and JSPs.
- Library file.

7. GenericServlet class is encapsulated inside _____ package *

- java.lang
- java.servlet
- javax.servlet
- javax.servlet.http



8. Which will be output of following code when the query string is
firstname=John&lastname=Doe?

```
 ${param.firstname}  
 ${param.middlename}  
 ${param.lastname}  
 ${paramValues.lastname[0]}
```

- A. John Doe
- B. John Doe Doe
- C. John null Doe
- D. John null doe doe

9. Which is mandatory in <jsp:useBean /> tag?

- a) id, class
- b) id, type
- c) type, property
- d) type,id



10. Which method is used to get the parameter value from request object?

- getParameterValue()
- getValue()
- getParameter()
- requestParameter()

11. In which extension in hibernate is used to store database table configuration?

- A. .db
- B..sql
- C..hbm
- D..dbm

12. Which of the following is the root node of hbm.xml file?

- A - hibernate-mapping
- B - hibernate-config
- C - class-mapping
- D - class-config



13. Given request is an HttpServletRequest, which code snippets will creates a session if one doesn't exist?

- request.getSession(false);
- request.getNewSession();
- request.createSession();
- request.getSession()

14. Which tag should be used to pass information from JSP to included JSP?

- a) Using <%jsp:page> tag
- b) Using <%jsp:param> tag
- c) Using <%jsp:import> tag
- d) Using <%jsp:useBean> tag

15. Which method returns the time when the session was created?

- getCreationTime()
- getTime()
- getStartingTime()
- creationTime()



16. What is the full form of ORM?

- A. Operating Related Mapping
- B.Object Relational Mapping
- C.Operating Rate Mapping
- D.Object Rate Mapping

17. In the elements of Hibernate architecture is a factory of session and client of ConnectionProvider, It holds the second level cache (optional) of data is ____.

- A. ConnectionProvider
- B.Session
- C.Transaction
- D.SessionFactory

18. When the Web Container initializes a servlet, it creates a _____ object for the servlet ?

- ServletConfig
- ServletInit
- ServletContext
- None of the above



19. Which method Drops all changes made since the previous commit/rollback?

- a. public void rollback()
- b. public void commit()
- c. public void close()
- d. public Statement createStatement()

20. Which object is used to create SessionFactory object in hibernate?

- A. Configuration
- B.SessionFactory
- C.Session
- D.Transaction
- None of the above.

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Web based java mock test-3

Spring

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✓ 1. Spring is licensed under *

1/1

- GNU
- Apache License 2.0
- GNU Lesser General Public License
- Open source



✓ 2. Spring is developed by *

1/1

- Red Hat Software
- Daniel Fernández
- Apache
- Pivotal Software



✓ 3. Which one of following is an alternative to Spring HibernateTemplate * 1/1

- Hibernate contextual sessions
- HibernateContext
- All of the mentioned
- None of the mentioned



✓ 4. Which of following method is used to gracefully shutdown all the bean processes after closing the spring container? * 1/1

- destroy method
- shutdownHook
- session method
- None of these



✓ 5. What is the scope of bean in portlet context? *

1/1

- session
- global-session
- request
- prototype



✓ 6. Can we integrate Struts with Spring? *

1/1

- Yes
- No



✓ 7. What is the default scope of the beans? *

1/1

- Prototype
- session
- Request
- Singleton



✓ 8. What is bean in Spring? *

1/1

- A component
- An Object
- A class
- A container



✓ 9. How to use <ref> in spring framework? *

1/1

- is used with bean id
- is used with string values



✓ 10. Which method is used to process bean before initialization callback * 1/1

- postProcessAfterInitialization()
- scope
- postProcessBeforeInitialization()
- it's own constructor



✓ 11. Which tag is also allowed by static field? *

1/1

- util:constant
- list
- constructor-args
- set



✓ 12. AOP stands for? *

1/1

- Asynchronous oriented programming
- Aspect Oriented Programming
- All Oops Program



✗ 13. Which element is used to specify access attributes for bean's methods. *

0/1

- security:intercept
- security:protect
- security:intercept-security
- none of above



✓ 14. How many types of method injection are available in spring? *

1/1

- 4
- 2
- 8
- 1



✓ 15. In Spring Method that allows you to start a new transaction is called - *

1/1

- commit()
- getTransaction()
- rollback()
- None of the above



✓ 16. Spring EJB Support Classes for Different Types of EJB *

1/1

- stateful session beans (SFSBs)
- message-driven beans (MDBs)
- stateless session beans (SLSBs)
- AbstractStatefulSessionBean



✓ 17. Spring EJB Support Classes for Different Types of EJB *

1/1

- stateful session beans (SFSBs)
- message-driven beans (MDBs)
- stateless session beans (SLSBs)
- AbstractStatefulSessionBean



✓ 18. To start the OpenEJB container, you first set environment variable * 1/1

- OPENEJB_HOME
- Bashrc
- EJB_HOME
- EJB 2.x components



✓ 19. Annotation which decorates the PostageServiceBean is *

1/1

- @Autowire
- @Interceptors
- @Wire
- @Mention



✓ 20. What is bean scope? *

1/1

- Bean scope defines the accessibility of bean in a java class.
- Bean scope defines the accessibility of bean in a java package
- Bean scope defines the accessibility of bean in a web application.
- Bean scope forces Spring to produce a new bean instance as per the scope defined. ✓

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Web_based_Java_MOCK_Test_1 (JDBC)

Total points 20/20 

Date:

Marks : 20 Marks

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✓ 1. What are the major components of the JDBC?

1/1

- DriverManager, Driver, Connection, Statement, and ResultSet
- DriverManager, Driver, Connection, and Statement
- DriverManager, Statement, and ResultSet
- DriverManager, Connection, Statement, and ResultSet



✓ 2. Select the packages in which JDBC classes are defined?

1/1

- jdbc and javax.jdbc
- rdb and javax.rdb
- jdbc and java.jdbc.sql
- sql and javax.sql



✓ 3. Thin driver is also known as?

1/1

- Type 3 Driver
- Type-2 Driver
- Type-4 Driver
- Type-1 Driver



✓ 4. What is the correct sequence to create a database connection?

1/1

- i. Import JDBC packages.
- ii. Open a connection to the database.
- iii. Load and register the JDBC driver.
- iv. Execute the statement object and return a query resultset.
- v. Create a statement object to perform a query.
- vi. Close the resultset and statement objects.
- vii. Process the resultset.
- viii. Close the connection.

 i, ii, iii, v, iv, vii, viii, vi i, iii, ii, v, iv, vii, vi, viii ii, i, iii, iv, viii, vii, v, vi i, iii, ii, iv, v, vi, vii, viii

✓ 5. Which of the following method is used to perform DML statements in JDBC?

1/1

 executeResult() executeQuery() executeUpdate() execute()

✓ 6. Which of the following method is static and synchronized in JDBC API? 1/1

- getConnection()
- prepareCall()
- executeUpdate()
- executeQuery()



✓ 7. Which methods are required to load a database driver in JDBC? 1/1

- getConnection()
- registerDriver()
- forName()
- Both b and c



✓ 8. Which of the following is not a valid statement in JDBC? 1/1

- Statement
- PreparedStatement
- QueryStatement
- CallableStatement



✓ 9. What should be the correct order to close the database resource? 1/1

What should be the correct order to close the database resource?

- Connection, Statements, and then ResultSet
- ResultSet, Connection, and then Statements
- Statements, ResultSet, and then Connection
- ResultSet, Statements, and then Connection



✓ 10. Which JDBC driver can be used in servlet and applet both? 1/1

- Type 3
- Type 4
- Type 3 and Type 2
- Type 3 and Type 4



✓ 11. Which of the following driver is the fastest one? 1/1

- JDBC-ODBC Bridge Driver
- Native API Partly Java Driver
- Network Protocol Driver
- JDBC Net Pure Java Driver



✓ 12. Are ResultSets updateable?

1/1

- Yes, but only if we call the method openCursor() on the ResultSet and if the driver and database support this option.
- Yes, but only if we indicate a concurrency strategy when executing the statement, and if the driver and database support this option. ✓
- Yes, but only if the ResultSet is an object of class UpdateableResultSet and if the driver and database support this option.
- No, ResultSets are never updateable. We must explicitly execute a DML statement to change the data in the underlying database.

✓ 13. Which of the following is correct about Statement class of JDBC?

1/1

- Statement encapsulates an SQL statement which is passed to the database to be parsed and compiled.
- Statement encapsulates an SQL statement which is passed to the database to be planned and executed.
- Both of the above. ✓
- none of the above.

✓ 14. The JDBC API has always supported persistent storage of objects defined in the Java programming language through the methods getObject and setObject.

1/1

- True ✓
- False



✓ 15. Which method is used to establish the connection with the specified url in a Driver Manager class? 1/1

- public static void registerDriver(Driver driver)
- public static void deregisterDriver(Driver driver)
- public static Connection getConnection(String url) ✓
- public static Connection getConnection(String url, String userName, String password)

✓ 16. What is not true of a Java bean? 1/1

- There are no public instance variables
- It may have many constructors as necessary ✓
- All persistent values are accessed using getxxx and setxxx methods
- All of the above are true of a Java bean

✓ 17. What happens if you call deleteRow() on a ResultSet object? 1/1

- The row you are positioned on is deleted from the ResultSet, but not from the database
- The result depends on whether the property synchronizeWithDataSource is set to true or false
- You will get a compile error: the method does not exist because you cannot delete rows from a ResultSet
- The row you are positioned on is deleted from the ResultSet and from the database ✓



✓ 18. Which of the following is an advantage of using PreparedStatement in Java? 1/1

- Slow performance
- Encourages SQL injection
- Prevents SQL injection ✓
- More memory usage

✓ 19. Which method returns a stream that simply provides the raw bytes from the database without any conversion? 1/1

- getCharacterStream
- getBinaryStream ✓
- getAsciiStream
- getUnicodeStream

✓ 20. Which one of the following contains date information? 1/1

- java.sql.Timestamp ✓
- java.sql.Time
- java.io.Time
- java.io.Timestamp







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✓ Q 1 - What is the correct signature of jspDestroy() method of
HttpJspPage class? *

1/1

- A - void jspDestroy(HTTPRequest request, HTTPResponse response)
- B - void jspDestroy(HTTPRequest request, HTTPResponse response) throws
ServletException, IOException
- C - void jspDestroy()
- D - void jspDestroy() throws ServletException, IOException



✓ Q 2 - What is the correct signature of jsplInit() method of HttpJspPage class? * 1/1

- A - void jsplInit(HTTPRequest request, HTTPResponse response)
- B - void jsplInit(HTTPRequest request, HTTPResponse response) throws ServletException, IOException
- C - void jsplInit() ✓
- D - void jsplInit() throws ServletException, IOException

✓ Q 3 - What is the correct signature of _jspService() method of HttpJspPage class? * 1/1

- A - void _jspService(HTTPRequest request, HTTPResponse response)
- B - void _jspService(HTTPRequest request, HTTPResponse response) throws ServletException, IOException ✓
- C - void _jspService()
- D - void _jspService() throws ServletException, IOException

✓ Q 4 - _jspService() method of HttpJspPage class should not be overridden. * 1/1

- A - True ✓
- B - False



✓ Q 5 - `_jspService()` method of `HttpJspPage` class should not be overridden.*

1/1

 A - True B - False

✓ Q 6 - `jsplInit()` method of `HttpJspPage` class can be overridden.*

1/1

 A - True B - False

✓ Q 7 - `jspDestroy()` method of `HttpJspPage` class can be overridden.*

1/1

 A - True B - False

✓ Q 8 - Which of the following is not a implicit object?*

1/1

 A - request B - response C - cookie D - session

✓ Q 9 - request is instance of which class? *

1/1

- A - Request
- B - HttpRequest
- C - HttpServletRequest
- D - ServletRequest



✓ Q 10 - response is instance of which class? *

1/1

- A - Response
- B - HttpResponse
- C - HttpServletResponse
- D - ServletResponse



✓ Q 11 - if isThreadSafe attribute of page directive is set as true, then generated servlet implements SingleThreadModel interface. *

1/1

- A - True
- B - False



✓ Q 12 - This object can be used to access other implicit objects in JSP. * 1/1

- A - request
- B - page
- C - context
- D - pageContext



✓ Q 13 - What is default value of isThreadSafe? * 1/1

- A - True
- B - False



✓ Q 14 - Setting isThreadSafe false can lead to poor performance. * 1/1

- A - True
- B - False



✓ Q 15 - session is instance of which class? *

1/1

- A - Session
- B - HttpSession ✓
- C - HttpServletSession
- D - ServletSession

✓ Q 16 - If a jsp is to generate a pdf page, what attribute of page directive it should use? *

1/1

- A - contentType ✓
- B - generatePdf
- C - typePDF
- D - contentPDF

✓ Q 17 - If a jsp is to generate a xml page, what attribute of page directive it should use? *

1/1

- A - contentXML
- B - generateXML
- C - typeXML
- D - contentType ✓



✓ Q 18 - Which of the following is not a directive? *

1/1

- A - include
- B - page
- C - export
- D - useBean



✓ Q 19 - Which of the following is not a valid attribute of a page directives? 1/1

*

- A - language
- B - extend
- C - export
- D - import



✓ Q 20 - Which of the following is a server side technology? *

1/1

- A - html
- B - jsp
- C - javaScript
- D - css



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MOCK TEST 2 - Web Based Java Programming

Web Based java Programming based multiple choice test

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1. Which of the following statement is not correct about HTTP method ? *

- A POST request append data to the end of the URL.
- A GET request append data to the end of the URL.
- HTTP DELETE method request for the Server to delete the resource
- HTTP OPTIONS request for communication options available on the request/response chain



2. Which of the following database is not supported by Hibernate? *

- A - DB2/NT
- B - MySQL
- C - FoundationDB
- D - PostgreSQL

3. Which of the following isn't a core interface of Hibernate? *

- A. SessionManagement
- B.Session
- C.Configuration
- D.Criteria

4. Which of the following is not a valid implicit object in EL? *

- A. header
- B. headerValues
- C. params
- D. paramValues



5. Assuming the standard JSTL prefix conventions are used, which JSTL tags would you use to iterate over a collection of objects? *

- A. <x:forEach>
- B. <c:iterate>
- C. <c:forEach>
- D. <c:forTokens>

6. Deployment Descriptor(DD) is a _____. *

- Servlet used to maintain other servlet.
- Text document
- XML document that is used by Web Container to run servlets and JSPs.
- Library file.

7. GenericServlet class is encapsulated inside _____ package *

- java.lang
- java.servlet
- javax.servlet
- javax.servlet.http



8. Which will be output of following code when the query string is
firstname=John&lastname=Doe?

```
 ${param.firstname}
 ${param.middlename}
 ${param.lastname}
 ${paramValues.lastname[0]}
```

- A. John Doe
- B. John Doe Doe
- C. John null Doe
- D. John null doe doe

9. Which is mandatory in <jsp:useBean /> tag?

- a) id, class
- b) id, type
- c) type, property
- d) type,id



10. Which method is used to get the parameter value from request object?

- getParameterValue()
- getValue()
- getParameter()
- requestParameter()

11. In which extension in hibernate is used to store database table configuration?

- A. .db
- B..sql
- C..hbm
- D..dbm

12. Which of the following is the root node of hbm.xml file?

- A - hibernate-mapping
- B - hibernate-config
- C - class-mapping
- D - class-config



13. Given request is an HttpServletRequest, which code snippets will creates a session if one doesn't exist?

- request.getSession(false);
- request.getNewSession();
- request.createSession();
- request.getSession()

14. Which tag should be used to pass information from JSP to included JSP?

- a) Using <%jsp:page> tag
- b) Using <%jsp:param> tag
- c) Using <%jsp:import> tag
- d) Using <%jsp:useBean> tag

15. Which method returns the time when the session was created?

- getCreationTime()
- getTime()
- getStartingTime()
- creationTime()



16. What is the full form of ORM?

- A. Operating Related Mapping
- B.Object Relational Mapping
- C.Operating Rate Mapping
- D.Object Rate Mapping

17. In the elements of Hibernate architecture is a factory of session and client of ConnectionProvider, It holds the second level cache (optional) of data is ____.

- A. ConnectionProvider
- B.Session
- C.Transaction
- D.SessionFactory

18. When the Web Container initializes a servlet, it creates a _____ object for the servlet ?

- ServletConfig
- ServletInit
- ServletContext
- None of the above



19. Which method Drops all changes made since the previous commit/rollback?

- a. public void rollback()
- b. public void commit()
- c. public void close()
- d. public Statement createStatement()

20. Which object is used to create SessionFactory object in hibernate?

- A. Configuration
- B.SessionFactory
- C.Session
- D.Transaction
- None of the above.

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web_based_Java_MOCK_Test_5 (Spring Framework)

Total points 20/20 

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✓ 1. An alternative to Spring HibernateTemplate is:-

1/1

- HibernateContext
- Hibernate contextual sessions
- All of the mentioned
- None of the mentioned



✓ 2. Sessionfactory can manage contextual sessions for you and allows you 1/1 to retrieve them by the:-

- getSession() method
- getCurrentSession() method ✓
- getCurrent() method
- none of the mentioned

✓ 3. DAO methods require access to the session factory, which can be 1/1 injected:-

- a setter method
- constructor argument
- none of the mentioned
- all of the mentioned ✓

✓ 4. Annotation to find a transaction and then fail, complaining that no 1/1 Hibernate session been bound to the thread.

- @Transactional ✓
- @Transaction
- @Transactions
- None of the mentioned



✓ 5. In the bean configuration file for Hibernate (i.e., beans-hibernate.xml), 1/1 you have to declare a HibernateTransactionManager instance for this application and enable declarative transaction via:-

- tx:annotation
- tx:annotationdriven
- tx:annotation-driven
- none of the mentioned



✓ 6. HibernateTemplate will not translate the native Hibernate exceptions 1/1 into exceptions in Spring DataAccessException hierarchy.

- True
- False



✓ 7. Annotation for Hibernate exceptions to be translated into Spring 1/1 DataAccessException for consistent exception handling:-

- @Translation
- @Repo
- @Repository
- None of the mentioned



✓ 8. Instance to translate the native Hibernate exceptions into data access exceptions in Spring DataAccessException hierarchy. 1/1

- PersistenceExceptionPostProcessor
- PersistenceExceptionTranslation
- PersistenceException
- PersistenceExceptionTranslationPostProcessor ✓

✓ 9. We cannot assign a component name in this annotation and have the session factory autowired by the Spring IoC container with @Autowired. 1/1

- True
- False ✓

✓ 10. Spring provides to simplify your DAO implementation by managing entitymanagers and transactions for you:- 1/1

- HibernateTemplate
- JpaTemplate ✓
- SpringTemplate
- None of the mentioned



✓ 11. Annotation used for entity manager injection in EJB components. 1/1

- @PersistenceContext ✓
- @Persistence
- @PersistenceCon
- None of the mentioned

✓ 12. To use the context injection approach, we can declare an entity manager field in our DAO and annotate it with the @PersistenceContext annotation. 1/1

- True ✓
- False

✓ 13. JpaTemplate will not translate the native JPA exceptions into exceptions in Spring DataAccessException hierarchy. 1/1

- True
- False ✓



✓ 14. Which of the following is correct about dependency injection?

1/1

- It helps in decoupling application objects from each other.
- It helps in deciding the dependencies of objects.
- It stores objects states in database.
- It stores object states in file system.



✓ 15. Which are the IoC containers in Spring?

1/1

- BeanFactory, ApplicationContext, IoCContextFactory
- BeanFactory, BeanContext, IoCContextFactory
- BeanFactory, ApplicationContext, BeanContext
- BeanFactory, ApplicationContext



✓ 16. If a bean can be created any number of times, scope is _____

1/1

- session
- global-session
- prototype
- request



✓ 17. What is a DispatcherServlet?

1/1

- DispatcherServlet is used for transaction management.
- DispatcherServlet is used for AOP.
- DispatcherServlet is used for Dependency injection.
- DispatcherServlet handles all the HTTP requests and responses.



✓ 18. Which of the following statement is correct?

1/1

- I. Spring is an open source framework.
- II. Spring is heavyweight.
- III. Spring supports tight coupling.
- IV. Spring using Dependency Injection and supports loose coupling.

- I and II
- I, II and III
- I and IV
- I, II, III and IV



✓ 19. What is Dependency Injection?

1/1

- A design pattern which implements Inversion of Control for software applications.
- One of the spring module.
- A technique to get dependencies of any project.
- Used to promote tight coupling in code.



✓ 20. Beans can be created by which of the following properties?

1/1

- Static factory-method
- Instance Factory-Method
- All of the above
- None of the above



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✓ 1. Which of the following statement is correct? (Choose two) *

1/1

- A-Spring is an open source framework.
- B-Spring is heavyweight.
- C-Spring supports tight coupling.
- D-Spring using Dependency Injection and supports loose coupling.



✓ 2. org.hibernate.SessionFactory can manage contextual sessions and allows to retrieve them by:- *

1/1

- A-getSession() method
- B-getCurrent() method
- C-getCurrentSession() method
- D-None of the above



✓ 3.What is Dependency Injection? *

1/1

- A-A design pattern which implements Inversion of Control for software applications.
- B-One of the spring module.
- C-A technique to get dependencies of any project.
- D-Used to promote tight coupling in code.



✓ 4. What is the correct syntax for annotation wiring? *

1/1

- A-<annotation-context:config /> to bean configuration.
- B-<annotation-config /> to bean configuration.
- C-<annotation-context-config /> to bean configuration.
- D-<context:annotation-config/> to bean configuration.



- ✓ 5. Annotation for Hibernate exceptions to be translated into Spring's
DataAccessException for consistent exception handling 1/1

- A-@Translation
- B-@Repo
- C-@Repository ✓
- D-None of the above

- ✓ 6. What is the default scope of the beans? * 1/1

- A-Prototype
- B-Session
- C-Request
- D-Singleton ✓

- ✓ 7.What is Bean in Spring? * 1/1

- A-Component
- B-Object ✓
- C-Class
- D-Container



✓ 8. How to use <ref> in Spring framework? *

1/1

- A-<ref> is used with bean id
- B-<ref> is used with string values



✓ 9. Which method is used to process bean before initialization callback? * 1/1

- A-postProcessAfterInitialization()
- B-scope
- C-postProcessBeforeInitialization()
- D-it's own constructor



✓ 10. Which tag is also allowed by static field? *

1/1

- A-util:constant
- B-list
- C-set
- D-constructor-args



✓ 11. How does spring achieve DI or IOC? *

1/1

- A-Service locator pattern
- B-Factory pattern
- C-Abstract factory pattern
- D-Singleton pattern



✓ 12. Which interface in spring is responsible for Instantiating and managing the so called Spring beans? *

1/1

- A-BeanFactory
- B-ApplicationContext
- C-BeanDefinition
- D-BeanFactoryAware



✓ 13. A bean can have more than one name using multiple id attributes? *

1/1

- A-True
- B-False



✓ 14. Beans can be created by which of the following properties? *

1/1

- A-Static factory-method
- B-Instance Factory-Method
- C-All of the above
- D-None of the above



✓ 15. Is Singleton beans are thread safe in Spring Framework? *

1/1

- A-No, singleton beans are not thread-safe in Spring framework.
- B-Yes, singleton beans are thread-safe in Spring framework.



✓ 16. What are different types of Autowire? *

1/1

- A-byName
- B-byType
- C-constructor
- D-autodetect
- E-All of the above



✓ 17. In what points, can weaving be applied? *

1/1

- A-Compile Time
- B-Class load Time
- C-Runtime
- D-All of the above



✓ 18. What exceptions do the DAO classes, use in Spring throw? *

1/1

- A-SQLEException
- B-Exception
- C-IOException



✓ 19. How many types of IOC (dependency injection)? *

1/1

- A-Setter Injection
- B-Constructor Injection
- C-Interface Injection
- D-All of the above



✖ 20. To deal with the databases, spring framework provides _____ 0/1

*

- A-DatabaseTemplate
- B-JdbcPluggins
- C-JdbcDrivers
- D-JdbcTemplate

✖

Correct answer

- D-JdbcTemplate

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Web_based_Java_MOCK_Test_4 (Hibernate)

Total points 19/20 

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✓ 1. Which of the following is not a core interface of Hibernate?

1/1

- Configuration
- Criteria
- SessionManagement
- Session



✓ 2. Which of the following methods returns proxy object?

1/1

- loadDatabase()
- getDatabase()
- load()
- get()



✓ 3. Which of the following methods hits database always?

1/1

- load()
- loadDatabase()
- getDatabase()
- get()



✓ 4. Which of the following method is used inside session only?

1/1

- merge()
- update()
- end()
- kill()



✓ 5. Which of the following is not a state of object in Hibernate?

1/1

- Attached()
- Detached()
- Persistent()
- Transient()



✓ 6. Which of the following is not an inheritance mapping strategies?

1/1

- Table per hierarchy
- Table per concrete class
- Table per subclass
- Table per class



✓ 7. Which of the following is not an advantage of using Hibernate Query Language?

1/1

- Database independent
- Easy to write query
- No need to learn SQL
- Difficult to implement



✓ 8. In which file database table configuration is stored?

1/1

- .dbm
- .hbm ✓
- .ora
- .sql

✓ 9. Which of the following is not an advantage of Hibernate Criteria API? 1/1

- Allows to use aggregate functions
- Cannot order the result set ✓
- Allows to fetch only selected columns of result
- Can add conditions while fetching results

✓ 10. While creating SessionFactory in hibernate, which design pattern should be adopted? 1/1

- Singleton ✓
- Prototype
- Factory
- None of the above



✓ 11. Persistent objects and collections in hibernate are _____

1/1

- Long-lived, single threaded objects
- Short-lived, single threaded objects
- Long-lived, multi threaded objects
- Short-lived, multi threaded objects



✓ 12. Transient and detached objects in hibernate are _____

1/1

- Instances of non-persistent class that are not currently associated with session.
- Instances of non-persistent class which are in session.
- Instances of persistent class that are not currently associated with session.
- Instances of persistent class which are in session.



✓ 13. org.hibernate.cfg.Configuration can be used for all configuration and no need of XML. 1/1

- True
- False



✓ 14. Which property are used to configure driver class in hibernate?

1/1

- hibernate.connection.driver_class
- hibernate.connection.datasource
- Both of the above
- None of the above



✓ 15. _____ object is used to create SessionFactory object in hibernate?

1/1

- Session
- Configuration
- Transaction
- Factory



✓ 16. Hibernate SessionFactory represent which level of cache?

1/1

- First Level
- Second Level
- Third Level
- Fourth Level



✗ 17. What does the Session object hold?

0/1

- First Level Cache
- Second Level Cache
- Both A & B
- None of the above

✗

Correct answer

- First Level Cache

✓ 18. Which statement is correct?

1/1

- Only the Session that you obtained with sf.openSession() is flushed and closed automatically
- Only the Session that you obtained with sf.getCurrentSession() is flushed and closed automatically
- Only the Session that you obtained with sf.getNewSession() is flushed and closed automatically
- None of the above

✓



✓ 19. Which of the following is FALSE about Session in hibernate?

1/1

- Session is a lightweight non-threadsafe object
- can share the session between threads ✓
- Session represents a single unit-of-work with the database
- Session is the primary interface for the persistence service

✓ 20. Which of the following is true about query level cache in hibernate? 1/1

- Query level cache is an optional feature.
- Query level cache requires two additional physical cache regions that hold the cached query results and the timestamps when a table was last updated.
- Query level cache is only useful for queries that are run frequently with the same parameters.
- All of the above ✓

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Web_based_Java_MOCK_Test_3 (JSP)

Total points 19/20 

Date:

Marks : 20 Marks

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✓ 1. Which page directive should be used in JSP to generate a PDF page? 1/1

- contentType
- generatePdf
- typePDF
- contentPDF



✓ 2. Which tag should be used to pass information from JSP to included JSP? 1/1

- Using <%jsp:page> tag
- Using <%jsp:param> tag ✓
- Using <%jsp:import> tag
- Using <%jsp:useBean> tag

✓ 3. Application is instance of which class? 1/1

- javax.servlet.Application
- javax.servlet.HttpContext
- javax.servlet.Context
- javax.servlet.ServletContext ✓

✓ 4. Which option is true about session scope? 1/1

- Objects are accessible only from the page in which they are created
- Objects are accessible only from the pages which are processing the same request
- Objects are accessible only from the pages which are in same session ✓
- Objects are accessible only from the pages which reside in same application



✓ 5. Which one is the correct order of phases in JSP life cycle?

1/1

- Compilation, Initialization, Execution, Cleanup
- Initialization, Cleanup, Compilation, Execution
- Initialization, Compilation, Cleanup, Execution
- Cleanup, Compilation, Initialization, Execution



✓ 6. "request" is instance of which one of the following classes?

1/1

- Request
- HttpServletRequest
- HttpServletRequest
- ServletRequest



✓ 7. Which is not a directive?

1/1

- export
- include
- page
- useBean



✓ 8. Which is mandatory in <jsp:useBean /> tag?

1/1

- id, type
- id, class ✓
- type, property
- type,id

✓ 9. Which of the scripting of JSP not putting content into service method of the converted servlet?

1/1

- Declarations
- Scriptlets
- Expressions ✓
- None of the above

✓ 10. Why is XML a good way to transfer text-based data from one program or tool to another?

1/1

- XML imposes important limitations on the receiving program or tool
- The receiving program or tool can use the XML tagging information to determine how to best handle the incoming data ✓
- XML tags offer an extra level of security
- XML tags specify to the receiving program or tool exactly how to format and display the data



✓ 11. The method forward(request, response) will _____

1/1

- return back to the same method from where the forward was invoked ✓
- not return back to the same method from where the forward was invoked and the web pages navigation continues
- Both A and B are correct
- None of the above

✓ 12. The difference between Servlets and JSP is the _____

1/1

- translation
- compilation
- syntax ✓
- Both A and B

✓ 13. Which of the following are the valid scopes in JSP?

1/1

- request, page, session, application ✓
- request, page, session, global
- response, page, session, application
- request, page, context, application



✓ 14. JSP includes a mechanism for defining _____ or custom tags. 1/1

- static attributes
- local attributes
- dynamic attributes ✓
- global attributes

✗ 15. Which describes best an EJB handle? 0/1

- An EJB handle is used to handle exceptions when accessing EJB objects
- An EJB handle is used to store a reference to a specific EJB object
- An EJB handle is part of the Home interface ✗
- An EJB handle is used for local references inside the EJB container

Correct answer

- An EJB handle is used to store a reference to a specific EJB object

✓ 16. Why DB connections are not written directly in JSPs? 1/1

- Response is slow
- Not a standard J2EE architecture
- Load Balancing is not possible
- Both B and C ✓



✓ 17. Which attribute specifies a JSP page that should process any exceptions thrown but not caught in the current page? 1/1

- The ErrorPage Attribute
- The IsErrorPage Attribute
- Both A & B
- None of the above



✓ 18. What type of scriptlet code is better-suited to being factored forward into a servlet? 1/1

- Code that deals with logic that is vendor specific
- Code that deals with logic that relates to database access
- Code that deals with logic that relates to client scope
- Code that deals with logic that is common across requests



✓ 19. What is the correct signature of `jspDestroy()` method of `HttpJspPage` class? 1/1

- `void jspDestroy(HTTPRequest request, HTTPResponse response)`
- `void jspDestroy(HTTPRequest request, HTTPResponse response) throws ServletException, IOException`
- `void jspDestroy()`
- `void jspDestroy() throws ServletException, IOException`



✓ 20. What will happen if isELIgnored attribute is set as false?

1/1

- Expression Language (EL) expressions will not be evaluated and will be treated as static text. ✓
- JSP container will ignore the EL expressions similar to comments.
- Both of the above.
- None of the above.

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Adv.Java_Hibernate Test

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- ✓ 1) Which of the following element is used to represent one-to-one relationship in hibernate? 1/1

- <many-to-one>
- <many-one>
- <ManyToOne>
- None of the above.



✓ 2) Which of the following is true about hibernate annotations?

1/1

- Hibernate Annotations is the powerful way to provide the metadata for the Object and Relational Table mapping.



- All the metadata is clubbed into the POJO java file along with the code this helps the user to understand the table structure and POJO simultaneously during the development.
- Both of the above.
- None of the above.

✓ 3) Which of the following is true about @Column annotation?

1/1

- The @Column annotation is used to specify the details of the column to which a field or property will be mapped.
- The @Column annotation is applied on a class.
- Both of the above.
- None of the above.

✓ 4) Which of the following is not a core component of Hibernate?

1/1

- JDBC
- SessionFactory
- Session
- Configuration



✓ 5) Which of the following is true about SessionFactory object in hibernate? 1/1

- SessionFactory object configures Hibernate for the application using the supplied configuration file.
- SessionFactory object allows for a Session object to be instantiated.
- The SessionFactory is a thread safe object.
- All of the above. ✓

✓ 6) Which of the following is not a state of object in Hibernate? 1/1

- Attached() ✓
- Detached()
- Persistent()
- Transient()

✓ 7) Which of the following is not an advantage of using Hibernate Query Language? 1/1

- Database independent
- Easy to write query
- No need to learn SQL
- Difficult to implement ✓



✓ 8) Which of the following is not an advantage of Hibernate Criteria API? 1/1

- Allows to use aggregate functions
- Cannot order the result set ✓
- Allows to fetch only selected columns of result
- Can add conditions while fetching results

✓ 9) Select the inheritance model which is NOT available in Hibernate 1/1

- Tables Per Concrete Class
- Table Per class hierarchy
- Table Per sub-class
- Table Per Object ✓

✓ 10) Which of the following are most common configuration methods of Hibernate Configuration 1/1

- XML Configuration hibernate.cfg.xml
- Mapping files and XML Configuration hibernate.cfg.xml ✓
- web.config
- http.conf



✓ 11) Session.createSQLQuery creates a new instance of Query for the given HQL query string. 1/1

- true
- False ✓

✓ 12) Is SessionFactory a thread-safe object? 1/1

- True ✓
- False

✓ 13) 9. Which of the following is FALSE about Session in hibernate 1/1

- Session is a lightweight non-threadsafe object
- You can share the session between threads ✓
- Session is the primary interface for the persistence service
- Session represents a single unit-of-work with the database

✓ 14) Hibernate caching improves the performance of the application by pooling the object in the cache. 1/1

- True ✓
- False



✓ 15) In the elements of Hibernate architecture is a factory of session and client of ConnectionProvider, It holds the second level cache (optional) of data is ____.

- ConnectionProvider
- Session
- Transaction
- SessionFactory



✓ 16) which of the following methods returns proxy object in Hibernate? 1/1

- getDatabase()
- loadDatabase()
- loadAsyc()
- load()



✗ 17) What is the purpose of @DoubleRangeFieldValidator annotation? 0/1

- This annotation checks that a double field has a value within a specified range.
- This annotation checks that a field is a valid e-mail address if it contains a non-empty String. ✗
- This annotation validates a supplied regular expression.
- This annotation checks that a numeric field has a value within a specified range.

Correct answer

- This annotation checks that a double field has a value within a specified range.

✓ 18) Select the design pattern that should be followed while creating SessionFactory in hibernate? 1/1

- Singleton
- Prototype ✓
- Both
- None

✓ 19) Which of the following method is used inside session only? 1/1

- merge()
- update() ✓
- end()
- kill()



✓ 20) Which of the following is not pre defined annotation in Java?

1/1

- @Deprecated
- @Overriden ✓
- @SafeVarags
- @FunctionInterface

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Java_Test_Spring

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✗ 1) How can you inject Java Collection in Spring?

0/1

- Using list, set, map or props tag.
- Using lit, set, map or collection tag. ✗
- Using list, set, props or collection tag.
- Using list, collection, map or props tag.

Correct answer

- Using list, set, map or props tag.



✓ 2) DAO methods require access to the session factory, which can be injected:- 1/1

- a setter method
- constructor argument
- none of the mentioned
- all of the mentioned



✓ 3) Bean's naming convention:-starts with lowercase, camelcase from then on.? 1/1

- True
- False



✓ 4) Exception thrown by factory method? 1/1

- IllegalArgumentException
- IndexOutOfBoundsException
- ClassNotFoundException
- BeanCreationException



✓ 5) Method to retrieve Spring Applicationcontext.

1/1

- WebApplicationContextUtils.getRequiredWebApplicationContext()
- WebApplicationContextUtils.getRequiredWeb()
- WebApplicationUtils.getRequiredWebApplicationContext()
- None of the mentioned



✓ 6) Struts plugin used to integrate with spring.

1/1

- ContextLoaderListener
- ContextLoaderPlugin
- ContextLoaderListenerPlugin
- d) None of the mentioned



✓ 7) Which of the following is advice supported by Aspect Annotation?

1/1

- @Before
- @After
- @AfterReturning
- All of the mentioned



✓ 8) Handler method annotation.

1/1

- @Before
- @Controller
- @After
- @RequestMapping



✓ 9) Bean classes pre-registered in the web application context by default.

1/1

- DefaultAnnotationHandlerMapping
- AnnotationMethodHandlerAdapter
- All of the mentioned
- None of the mentioned



✓ 10) Spring doesn't cope up with pdf and excel views.

1/1

- True
- False



✓ 11) Spring MVC supports generating Excel files using which of the following libraries.

1/1

- Apache POI library
- JExcelAPI library
- All of the mentioned
- None of the mentioned



✓ 12) To publish a REST service with Spring.

1/1

- publishing an application's data as a REST service
- accessing data from third-party REST services
- none of the mentioned
- all of the mentioned



✓ 13) Spring supports a series of mechanisms to generate a REST service payload.

1/1

- True
- False



✓ 14) Annotation added as an input parameter to the handler method. 1/1

- @PathVariable ✓
- @Path
- @PathLocale
- None of the mentioned

✓ 15) RestTemplate class method which performs an HTTP HEAD operation. 1/1

- headForHeaders(String, Object...) ✓
- getForObject(String, Class, Object...)
- postForLocation(String, Object, Object...)
- postForObject(String, Object, Class, Object...)

✓ 16) What types of Dependency injection does spring supports? 1/1

- Constructor based, Setter based ✓
- Constructor based, Setter based, Getter Based
- Setter based, Getter based, Properties based
- Constructor based, Setter based, Properties based



✓ 17) PathCheckingBeanPostProcessor will not work properly in case of:- 1/1

- XML Configuration
- Java based Configuration
- JSR Annotation
- None of the mentioned



✗ 18) Which bean factory post processor externalizes part of the bean configurations into a properties file 0/1

- PropertyPlaceholderConfigurer
- PropertyPlaceholderRegister
- PropertyGetPath
- None of the mentioned



Correct answer

- PropertyPlaceholderConfigurer

✓ 19) Callback methods provided by HandlerInterceptor to implement. 1/1

- preHandle()
- postHandle()
- afterCompletion()
- all of the mentioned



✖ 20) To use Spring Faces Components, we register which of the following?

0/1

- Servlet API
- ResourceServlet
- All of the mentioned
- None of the mentioned

✖

Correct answer

- ResourceServlet

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Spring MCQ-1

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✓ 1) Which of the following is the default scope in Spring? *

1/1

- A.prototype
- B.singleton ✓
- C.request
- D.session



✗ 2)Which of the following are spring modules? 1. Core module 2. Web 0/1
module 3. Spring jar module 4. Test module 5. Spring Lightweight module
6. Data access module *

- A.1,2,3,4 ✗
- B.1,2,5,6 ✗
- C.1,2,4,6 ✗
- D.All of the listed ✗

✗ 3)The Spring container gets its instructions on what objects to 0/1
instantiate, configure, and assemble by reading the *

- A.source code
- B.spring integration data
- C.configuration metadata
- D.configuration text file ✗

✓ 4)The objects that form the backbone of your application and that are 1/1
managed by the Spring container are called *

- A.context
- B.application
- C.metadata
- D.bean ✓



✓ 5) Which of the following statement is correct:
1. Spring is an open source
2. Spring is heavyweight.
3. Spring supports tight coupling.
4. Spring helps in reducing boiler-plate code. *

- A.1,2,4
- B.1,4
- C.3,4
- D.1,3



✗ 6) Spring Dependency Injection is useful because it makes your code: * 0/1

- A.simple
- B.easier to understand
- C.easier to test
- D.All of the above



✓ 7) The act of creating associations between different component of application is known as: * 1/1

- A.collaborating
- B.integrating
- C.wiring
- D.framing



✗ 8) Which of the following is correct: 1. With Dependency Injection, objects are expected to acquire their dependencies on their own. 2. With Dependency Injection, objects are given their dependency by some third-party that co-ordinates each object in the system. *

- A.1
- B.2
- C.both of the above
- D.none of the above

✗

✓ 9) This loads bean definitions and wire them together _____ *

1/1

- A.context
- B.application context
- C.AOP
- D.components

✓



✗ 10) Which of the following is acceptable way of providing metadata in spring framework?
1. XML
2. Java based
3. Annotation based
4. JSON based *

- A.1,4
- B.1,3,4
- C.1,2,3
- D.All of the above

✗

✓ 11) The act of creating the associations between application object is essence of DI and it is commonly referred to as _____ *

- A.Configuration
- B.Wiring
- C.Explicit configuration
- D.AOP

✓

✗ 12) In Spring, DI is achieved by using
1. Setter injection
2. Constructor injection
3. module injection
4. bundle injection *

- A.1,2
- B.1,3
- C.2,3
- D.3,4

✗



✓ 13)Partial dependency in spring can be achieved using: *

1/1

- A.Constructor injection
- B.Setter injection
- C.AOP
- D.All of the above



✓ 14)Spring helps to achieve: *

1/1

- A.tight coupling and easy to test applications
- B.loose coupling and easy to test applications
- C.mixed coupling and easy to test applications
- D.No coupling and easy to test applications



✓ 15)In Spring based applications, the objects lives in *

1/1

- A.spring pool
- B.spring group
- C.spring heap
- D.spring container



✗ 16)These are the container implementations in spring *

0/1

- A.Application Contexts
- B.Classpath Bean Factory
- C.Bean Factory
- D.Both A & C

✗

✗ 17)Spring container is responsible to: *

0/1

- A.wire the objects together
- B.create the objects
- C.manage the objects life cycle
- D.All of the above

✗

✓ 18)core, beans, context, expression, context support in spring are all part 1/1
of: *

- A.Web and Remoting module
- B.AOP module
- C.Core Spring Container module
- D.Instrumentation module

✓



✗ 19)@componentScan("tihApplications") in spring indicates *

0/1

- A.tihApplications is the base package that needs to be scanned for components
- B.tihApplications is the base package that needs to be created for components ✗
- C.tihApplications is the component name
- D.tihApplications is the classpath where components could be saved

✗ 20)To deal with the databases, spring framework provides _____

0/1

*

- A.DatabaseTemplate
- B.JdbcPluggins ✗
- C.JdbcDrivers
- D.JdbcTemplate

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✓ Which of the following code is used to get an attribute in a HTTP Session object in servlets? 1/1

- A. session.getAttribute(String name)
- B. session.alterAttribute(String name)
- C. session.updateAttribute(String name)
- D. session.setAttribute(String name)



✓ Which method is used to specify before any lines that uses the PrintWriter?

1/1

- A. setPageType()
- B. setContextType()
- C. setContentType()
- D. setResponseType()



✓ What are the functions of Servlet container?

1/1

- A. Lifecycle management
- B. Communication support
- C. Multithreading support
- D. All of the above



✓ What is bytecode?

1/1

- A. Machine-specific code
- B. Java code
- C. Machine-independent code
- D. None of the mentioned



✓ Which of the following is true about servlets?

1/1

- A. Servlets execute within the address space of web server
- B. Servlets are platform-independent because they are written in java
- C. Servlets can use the full functionality of the Java class libraries
- D. Servlets execute within the address space of web server, platform independent and uses the functionality of java class libraries



✓ Which of the following statements are correct about the status of the Http response.

1/1

- A. A status of 200 to 299 signifies that the request was successful
- B. A status of 300 to 399 are informational messages
- C. A status of 400 to 499 indicates an error in the server
- D. A status of 500 to 599 indicates an error in the client



✓ Which JDBC driver Type(s) can be used in either applet or servlet code?

1/1

- A. Both Type 1 and Type 2
- B. Both Type 1 and Type 3
- C. Both Type 3 and Type 4
- D. Type 4 only



Which of the following code retrieves the MIME type of the body of the request?

- A. newMimeType()
- B. request.getContentType()
- C. response.getContentType()
- D. None of the above

✓ Which methods are used to bind the objects on HttpSession instance and get the objects? 1/1

- A. setAttribute
- B. getAttribute
- C. Both A & B
- D. None of the above



✓ To send text output in a response, the following method of HttpServletResponse may be used to get the appropriate Writer/Stream object. 1/1

- A. getStream
- B. getOutputStream
- C. getBinaryStream
- D. getWriter



✓ Which method take a string not a URL?

1/1

- A. sendRedirect
- B. forward
- C. Both
- D. None



✓ RequestDispatcher object is used

1/1

- A. to include other resources
- B. to include an image
- C. to include xml object
- D. to include e-mailing response



✓ Which of the following are interface? 1. ServletContext 2. Servlet 3. GenericServlet 4. HttpServlet

1/1

- A. 1,2,3,4
- B. 1,2
- C. 1,3,4
- D. 1,4



✓ What is the meaning of response.setHeader("xyz", "abc");

1/1

- A. Add a new header and value ✓
- B. Add an additional value to exiting header
- C. Add a new header and value or add an additional value to exiting header
- D. Add new header and value always

✓ How many JDBC driver types does Oracle define?

1/1

- A. One
- B. Two
- C. Four ✓
- D. Three

✓ The life cycle of a servlet is managed by

1/1

- A. servlet context
- B. servlet container ✓
- C. the supporting protocol (such as http or https)
- D. All of the above



✓ Which of the following method sets application/context init parameter? 1/1

- A. setParameter(String name, String value)
- B. Its not possible in the method
- C. setParameter(String name, Object value)
- D. setParameter(Object name, Object value)



✓ Which method allows client to get information from server? 1/1

- A. doGet
- B. doOption
- C. doTrace
- D. doPost



✓ Which of the following code is used to get an attribute in a HTTP Session object in servlets? 1/1

- A. session.getAttribute(String name)
- B. session.alterAttribute(String name)
- C. session.updateAttribute(String name)
- D. session.setAttribute(String name)



✓ A servlet maintain session in

1/1

- A. Servlet container
- B. Servlet context
- C. Servlet request heap
- D. Servlet response heap



✓ Which class provides stream to read binary data such as image etc. from the request object?



- A. ServletInputStream
- B. ServletOutputStream
- C. Both A & B
- D. None of the above

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- ✓ In the web.xml , session configuration is <session-config> <session-timeout>0</session-timeout> </session-config> What does this means? 1/1

- A. Session are never invalidated.
- B. Sessions are never created.
- C. Session timeout is 0 so sessions never get created.
- D. None of the above



✓ Which of the following code retrieves the value of a request parameter 1/1

- A. Header.getParameter(name)
- B. response.getParameter(name)
- C. request.getParameter(name) ✓
- D. None of the above.

✓ The tasks – authentication-blocking of requests, data compression, logging and auditing – are performed by 1/1

- A. servlet filter ✓
- B. servlet config
- C. servlet context
- D. servlet container

✓ Which of the following are the session tracking techniques? 1/1

- A. URL rewriting, using session object, using response object, using hidden fields
- B. URL rewriting, using session object, using cookies, using hidden fields ✓
- C. URL rewriting, using servlet object, using response object, using cookies
- D. URL rewriting, using request object, using response object, using session object



✓ When doGet() method of servlet gets called?

1/1

- A. A GET request results from a normal request for a URL
- B. The service() method checks the HTTP request type as GET and calls doGet() method
- C. Both of the above
- D. None of the above



✓ Which of the following is true about servlets?

1/1

- A. Servlets execute within the address space of web server
- B. Servlets are platform-independent because they are written in java
- C. Servlets can use the full functionality of the Java class libraries
- D. All of the aabove



✓ A user types the URL <http://www.xyz.com/Blog.jsp>. Which HTTP request gets generated. Select the one correct answer.

1/1

- A. GET method
- B. POST method
- C. HEAD method
- D. PUT method



✓ Which object is created by the web container at time of deploying the project? 1/1

- A. ServletConfig
- B. ServletContext ✓
- C. Both A & B
- D. None of the above

✓ Which of the following code can be used to add a header with the given name and integer value? 1/1

- A. request.addHeader(name,value)
- B. response.addIntHeader(name,value) ✓
- C. Header.addDateHeader(name,value)
- D. None of the above

✓ Which of the following are class? 1.ServletContext 2.HttpServlet 3.GenericServlet 4.HttpServlet 1/1

- A.1,2,3,4
- B. 1,2
- C. 3,4 ✓
- D. 1,4



✓ What are the mechanisms available in ServletContextListener interface? 1/1

- A. contextInit(), contextService(), contextDestroyed()
- B. contextInitialized(), contextDestroyed()
- C. contextInitialized(), contextService(), contextDestroyed()
- D. None of the above



✓ An Enterprise JavaBeans can be deployed in _____ 1/1

- A. J2EE server
- B. Weblogic
- C. Web sphere
- D. All of the above



✓ Which class can handle any type of request so that it is protocol-independent 1/1

- A. GenericServlet
- B. HttpServlet
- C. Both A & B
- D. None of the above



✓ Which method in session tracking is used in a bit of information that is sent by a web server to a browser and which can later be read back from that browser? 1/1

- A. HttpSession
- B. URL rewriting
- C. Cookies
- D. Hidden form fields



✓ Which are the examples of Application Server 1/1

- A. Apache
- B. Tomcat
- C. JBoss
- D. Weblogic
- E. Both C and D



✗ How is dynamic interception of requests and responses to transform the information done? 0/1

- A. servlet container
- B. servlet config
- C. servlet context
- D. servlet filter



Correct answer

- D. servlet filter



✓ Which of the following code retrieves the body of the request as binary data? 1/1

- A. DataInputStream data = new InputStream()
- B. DataInputStream data = response.getInputStream()
- C. DataInputStream data = request.getInputStream() ✓
- D. DataInputStream data = request.fetchInputStream()

✓ object of HttpSession can be used to view and manipulate information about a session? 1/1

- A. session identifier
- B. creation time
- C. last accessed time
- D. All mentioned above ✓

✓ Which methods are used to bind the objects on HttpSession instance and get the objects? 1/1

- A. setAttribute
- B. getAttribute
- C. Both A & B ✓
- D. None of the above



✓ Servlet container maintains session object?

1/1

true

False



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