Chapter 6

1. Need for Custom Tags

a. Reusability

b. Readability

c. Maintainability

ans : abc

2. Tag files provide a very simple way for content and functionality to be abstracted away from JSP pages and into reusable components by

a. Simple jsp as templete

b. Custom tag

c. bean class

ans: a

3. Tag files location is

a. WEB-INF

b. tag

c. WEB-INF/tags

ans: c

4. To define Attribute of tag file we use

a. <%@ attribute name="" required="" rtexprvalue="" %>

b. <%@ param name="" required="" rtexprvalue="" %>

c. <%@ page file="title" %>

ans: a

5. Tagghandler class is class which.

a. implements tag interface

b. web.xml

c. subclass of tag

ans: a

6. SimpleTag is subinterface of

a. Tag

b. JspTag

c. SimpleTagSupport

ans: b

7. Core functionality is defined by

a. public void doTag() throws JspException, IOException;

b. public void doTag() throws JspException;

c. public void doTag() throws JspException, IOException,ServletExecption;

**ans: a**

8. TLD file has a core tag

a. <tag><name></name><tag-class></tag-class></tag>

b. <tag-lib><name></name><tag-class></tag-class><tag-lib>

c. none

ans: a

9. Whis is deferred EL expression?

a. "#(expression)"

b. "${expression}"

c. "#{expression}"

ans: c

10. Whis is the major tag combination to define attribute?

a) <attribute><name>...</name><rtexprvalue>..</rtexprvalue></attribute>

b) <attribute><name>...</name><required>..</required><rtexprvalue>..</rtexprvalue></attribute>

c) <attribute><name>...</name><required>..</required><value>..</value></attribute>

ans: b

1(abc),2(a),3(c),4(a),5(a),6(b),7(a),8(a),9(c),10(b)

**ch-6, 7**

1. How many mechanisms are available for building custom tags?

a. tag files

b. simple tag

c. classic tag

d. All of them

2. Which method provides an easy way to access other objects such as the current output writer and scoped attributes?

a. doStartTag()

b. pageContext()

c. setPageContext()

d. setParent()

3. Which of the following constant value signals that any bodycontent should be evaluated and output to the page?

a. SKIP\_BODY

b. EVAL\_BODY\_INCLUDE

c. SKIP\_PAGE

d. EVAL\_PAGE

4. Which method used to releasing state or clears the instance of variables of classic tag?

a. destroy()

b. release()

c. doEndTag()

d. None of them

5. Which of following exception class specify that the problem may be related to a custom tag rather than the page?

a. JSPTagException

b. JSPException

c. Exception

d. None

6. Which of the following tag is used for pass object attributes into tag handlers to ensure that they support request-time expression?

a. <name>name</name>

b. <required>true</required>

c. <rtexprvalue>true</ rtexprvalue>

d. All of them

7. Which of following are attribute of <selectWithDynamicAttributes> tag?

a. name

b. label

c. value

d. items

e. size

8. Tag files location is

a) WEB-INF

b) tags

c) WEB-INF/tlds

9. Which of the followings is false?

a. Tag files are custom tags written entirely as JSP pages

b. Simple tags get their behavior from a tag handler class.

c. Custom tags, also known as tag extensions

d. All of them are false

10. Which of the followings are true for tag library?

a. A tag library is simply a collection of one or more custom tags.

b. Can be reused on a single page only.

c. Can be reused on a single page, on several pages in an application, or across different applications.

d. None of them

11. Valid Body-Content Values for Tag Extensions are?

a. tagdependent

b. empty

c. any

d. scriptless

12. Which of the following is the use of reusing content with included JSP files?

a. <%@ include file="copyright.jsp" %>

b. <%@ taglib prefix="tags" tagdir="/WEB-INF/tags" %>

<tags:copyright/>

c. Both of them

d. None of them

13. request-time expression also known as?

a. static attribute

b. dynamic attribute

c. runtime attribute

d. None of them

14. Which of the following is/are not method of SimpleTag interface?

a. setJspContext(JspContext)

b. setParent(Tag)

c. setJspBody(JspFragment)

d. doTag()

15. While using classic tags, the tag handlers must implement the-

a. javax.servlet.jsp.tagext.SimpleTag interface

b. javax.servlet.jsp.tagext.Tag interface

c. javax.servlet.jsp.tag.SimpleTag interface

d. javax.servlet.jsp.tag.Tag interface

16. doStartTag() and doEndTag() are methods of -

a. SimpleTag interface

b. Tag interface

c. TagSupport class

d. SimpleTagSupport class

17. Say you have declared a tag library like the following –

<%@ tagliburi="/WEB-INF/tlds/ch07.tld" prefix="ch07" %>

Then which of the following is the right way to access an empty library from that tag file?

a. <ch07:datetime>

b. < datetime:ch07/>

c. </ch07:datetime>

d. <ch07:datetime/>

18. What's the difference between JavaBeans and taglib directives?

A - Taglibs are for generating presentation elements while JavaBeans are good for storing information and state.

B - Custom tags are used to implement actions and JavaBeans are used to present information.

C - Both of the above.

D - None of the above.

**ch 9, 10, 11**

1. Database connection mechanism provided by jdbc are--

a. java.sql.DriverManager

b. javax.sql.DataSource

c. DriverManager

d. DataManager

2. Which approaches are correct for O/R persistence hibernate framework?

a. Top-Down

b. Bottom-up

c. Middle-out

d. Meet-in-the middle

3. Choose the correct answers about JDO (370)

a. It provides standard API to enable the persistence storage

b. It provides same benefits as O/R

c. JDO includes an object query language

d. JDO is a fairly small API

4. EJB supports the following components (371)

a. entity beans

b. session beans

c. message beans

d. managed beans

5. Entity bean is persisted by which of the following mechanisms?(371)

a. container-managed persistence

b. bean-managed persistence

c. only container-managed persistence

d. only bean-managed persistence

6. Advantages of EJB are-

a. Built-in O/R framework

b. Scalability and high performance

c. Declarative transaction support

d. Declarative object support

7. Filter can be used to do the following- ---403

a. Inspect the response header

b. Provide a modified version of the request

c. Stop a request from reaching a resource altogether

d. All of them

8. Which one is correct?----405

a. doFilter() method is called for the first time

b. doFilter() method contains logic of the filter

c. We have to implement javax.servlet.Servlet interface

d. All of them

9. For filter mapping which are correct?

a. <filter-mapping>

<filter-name>p</ filter-name>

<servlet-name>q</ servlet-name>

</filter-mapping>

b. <filter-mapping>

<servlet -class>p</ filter-class>

<servlet-name>q</ servlet-name>

</filter-mapping>

c. <filter-mapping>

<filter-name>p</ filter-name>

<url-pattern>/\*</ url-pattern>

</filter-mapping>

d. <filter-mapping>

<filter-name>p</ filter-name>

<url-pattern>/\*</ url-pattern>

<dispatcher>request</ dispatcher>

<dispatcher>include</ dispatcher>

</filter-mapping>

10. Which of the followings is correct?

a. State information can be maintained via global variables in doFilter()

b. Filters are positioned between the application server and the database

c. Filters can handle the pre and post processing of request for resources

d. All of them

11. Which filter that disallows access to the server during certain hours of the day?

a. Auditing

b. Authentication

c. Adapter

d. Authorization

12. Transferring outgoing response content technique is used for?

a. Adapter filter

b. Auditing filter

c. Authentication filter

d. All of them

13. Pipeline Model is similar to?

a. MVC

b. push model

c. pull model

d. All of them

14. Pipeline model provides?

a. Applications are more maintainable

b. Web application whose performance is highly optimization

c. Applications are adaptable

d. All of them

15. doFilter() throws what type of exception?

a. IOException

b. ServletException

c. UnknownHostException

d. ArithmeticException

16. Choose the incorrect answer?

a. In downstream request travels from the client through the first filter through the second filter and so on

b. Legacy Adapter filter do not used to map the IP

c. init() method is called to set the FilterConfig object for the filter

d. ReplaceContentOutputStream class used to wrap to modify its content.

17. The Need for Custom Tags

a) Reusability

b) Readability

c) Maintainability

d) All of the Above

18. Tag files location is

a) WEB-INF

b) tags

c) WEB-INF/tlds

19. Using JDBC in which class is used for maintaining connection.

a) javax.sql.DataSource

b) java.sql.DriverManager

c) org.gjt.mm.mysql.Driver

20. The main advantages of using an O/R framework over JDBC are --

a) Easier to program.

b) Better maintanace.

c) Better performance.

d) Better cross-database support.

21. Filtering is a standard feature of all Servlet 2.5–compliant containers. which is not filter jobs,

a) authentication.

b) auditing.

c) compression.

d) encryption

e) on-the-fly format transformation.

f) online transfer business logic.

22. thejavax.servlet.Servlet interface, there are three life-cycle methods that a filter mustimplement which is not life-cycle.

a) init

b) dofilter

c) destroy

d) service

**ch-12,13**

1. The security features that all servlet containers provide are

a)Authentication

b)Access control for resources

c)Data integrity

d)Confidentiality or data privacy

2. Realm is a database of

a)usernames and passwords that identify valid users.

b)passwords

c)user roles

d)data delete action

3. what are the sub element of <security-constraint>

a)<web-resource-name>

b)<url-pattern>

c)role

d)password

4. Which matches the right elaboration?

a)LDAP=LDAP Data Interchange Format (LDIF)

b)SSL=Secure Sockets Layer protocol

c)JAAS=Java Authentication and Authorization Service.

d)API=Access protocol independent

5. The <dispatcher> Element has four values. Which one is not true?

a) REQUEST

b) FORWARD

c) INCLUDE

d) Error

e) None

6. Which are the Authentication Mechanisms for Web Applications

a)<auth-method>BASIC</auth-method>

b)<auth-method>DIGEST</auth-method>

c)<auth-method>CLIENT-CERT</auth-method>

d)<auth-method>FORM</auth-method>

e) All of the above

7. Which requires appropriate atttributes?

a)Username: <input type="text" name="j\_username" id="j\_username" />

b)<Realm className="org.apache.catalina.realm.UserDatabaseRealm" />

c)<property name="url" column="url" type="string"

not-null="true" unique="true" />

d)<set name="items" table="item" cascade="delete" >

8. Default value of <session-timeout> is?

a. 30 minutes

b. 30 seconds

c. 20 minutes

d. none

9. Which methods removes all objects bound to the session?

a. session.removes()

b. session.invalidate()

c. session.destroy()

d. session.validate()

10. Which of the following is false?

a. Public Key Certificate (PKC)

b. denial of service (DoS)

c. Java Naming Directory Interface(JNDI)

d. Secure Service Layer(SSL) (Secure Sockets Layer)

11. Which of the following is not value of <transport-guarantee>?

a. NONE

b. INTEGRAL

c. CONFIDENTIAL

d. INTERNAL

12. Typically, a performance-testing tool will support the following features?

a. Customizable test plans

b. Response time statistics

c. Load testing

d. Error detection

13. Declarative security basically involves changing the-

A. web.xml file

B. index.jsp file

C. context.xml file

D. build.xml file

14. Which of the following proving that a third party hasn’t modified information

while it was in transit

a) Authentication

b) Access control for resources

c) Data integrity

d) Confidentiality or data privacy

15. tomcat-users.xml file located at

A. logs

B. conf

C. bin

D. lib

16. In form based authentication when a user enters an incorrect username or password, the server returns which HTTP status code

A. 404

B. 401

C. 500

D. 200

17. Which of the following provides Pluggable Authentication Modules (PAM)?

A. JNDIRealm

B. JDBCRealm

C. SSL

D. JASS

18. In Tomcat, it’s easy to encrypt passwords by adding the \_\_\_ attribute to a realm definition

A. resourceName

B. className

C. digest

D. debug

19. Which of the followings are not guiding principles for your JSP application design?

A. Don’t execute code unnecessarily

B. Don’t create objects unnecessarily

C. When you must create objects, create them in the right scope

D. As you write your code, try to maximize the number of objects that you create

20. Which of the followings are not database connection pools configuration parameters?

A. Maximum active connections

B. Maximum idle connections

C. Minimum active connections

D. Maximum wait time

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b. dynamic attribute

c. runtime attribute //correct

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