**Questions on Servlets**

1. To compile a Java servlet program, the \_\_\_\_\_\_\_\_\_\_\_ file must be in the classpath.
   1. TomcatRootDir\common\servlet.jar
   2. TomcatRootDir\common\lib\servlet.jar
   3. TomcatRootDir\common\bin\lib\servlet.jar
   4. TomcatRootDir\servlet.jar
2. For a HttpSession, say session, how do you set an attribute pair with name lastName and value Smith?
   1. session.attribute("lastName", "Smith")
   2. session.setValue("lastName", "Smith")
   3. session.value("lastName", "Smith")
   4. session.setAttribute("lastName", "Smith")
3. Suppose the two parameters in the doGet or doPost method are request and response. To specify HTML content type sent to the client, invoke \_\_\_\_\_\_\_\_\_\_\_.
   1. request.setContentType("text/html")
   2. response.setContentType("text/html")
   3. request.setContentType("html")
   4. response.setContentType("html")
4. For a HttpSession, say session, how do you get its attribute?
   1. session.getValue("lastName")
   2. session.attribute("lastName")
   3. session.value("lastName")
   4. session.getAttribute("lastName")
5. Every doXxx method in the HttpServlet class has a parameter of the HttpServletResponse type, which is an object that assists a servlet in sending a response to the client.
   1. HttpServletRequest
   2. HttpSession
   3. Cookie
   4. HttpServletResponse
6. Apache Tomcat is a \_\_\_\_\_\_\_\_.
   1. Java program
   2. Web server that is capable of running Java programs.
   3. Servlet
   4. Web server
7. The code for loading a JDBC driver and connecting to a database should be invoked from \_\_\_\_\_ in a servlet.
   1. the doPut method
   2. the doGet method
   3. the destroy method
   4. the init method
8. The \_\_\_\_\_\_\_ method ensures that a new Web page is generated.
   1. POST
   2. DELETE
   3. GET
   4. UPDATE
9. The \_\_\_\_\_\_\_\_\_ class defines a servlet for the HTTP protocol.
   1. javax.servlet.http.HttpServlet
   2. Servlet
   3. HttpServletRequest
   4. HttpServletResponse
10. Suppose the two parameters in the doGet or doPost method are request and response. To create an HTTP session, use \_\_\_\_\_\_\_\_\_\_\_\_.
    1. response.getSession()
    2. request.getSession()
    3. response.createSession()
    4. request.createSession()
11. A servlet is an instance of \_\_\_\_\_\_\_\_\_\_.
    1. the HTTPServlets class
    2. the HttpServlet class
    3. the Applet class
    4. the Object class
12. The Web server that executes the servlet creates an \_\_\_\_\_\_\_\_\_ object and passes this to the servlet's service method (which, in turn, passes it to doGet or doPost).
    1. HttpRequest
    2. ServletRequest
    3. HttpServletRequest
    4. HttpServletResponce
13. What is the servlet ?
    1. None of these
    2. Client side program
    3. Server side program
    4. Both are true
14. Which of the following is NOT true about servlets ?
    1. They require a web browser that supports JDK 1.1
    2. They can be used instead of CGI scripts.
    3. They are instantiated every time a request is made.
    4. They are a mechanism used by the class loader to download applets.
15. Which listener should use to find context has been created or destroyed?
    1. ServletContextListener
    2. All of above
    3. ServletContextAttributeListener
    4. HttpConextListener
16. If your request is not time-sensitive, such as finding the address of a student in the database, use the \_\_\_\_\_\_\_\_\_\_ method to speed up the performance.
    1. UPDATE
    2. POST
    3. GET
    4. DELETE
17. Given the following servlet mapping definition for the web application named 'secureapp',   
    <servlet>  
    <servlet-name>ProcessLoginData</servlet-name>  
    <servlet-class>DoLogin</servlet-class>  
    </servlet>  
      
    <servlet-mapping>  
    <servlet-name>ProcessLoginData</servlet-name>  
    <url-pattern>do/Login</url-pattern>  
    </servlet-mapping>  
    which of the following URLs will correctly request the Servlet?
    1. http://www.mywebapp.com/secureapp/doLogin?name="bob"
    2. http://www.mywebapp.com/secureapp/do/Login?name="bob"
    3. http://www.mywebapp.com/secureapp/Login?name="bob"
    4. http://www.mywebapp.com/Login?name="bob"
18. Parameters are passed as \_\_\_\_\_\_\_ pairs in a get request.
    1. value
    2. name/value
    3. Both can be used
    4. None of these
19. Which of the following can be used to store client side user state information while avoiding any impact due to the users web browser configuration ?
    1. Hidden tags
    2. HttpSessions
    3. Cookies
    4. URL rewriting
20. All servlets must implement the Servlet interface of package:
    1. javax.servlet
    2. All are same
    3. .servlet
    4. java.servlet
21. The \_\_\_\_\_\_\_ method is called when the servlet is first created, and is not called again as long as the servlet is not destroyed.
    1. init
    2. getServletInfo
    3. service
    4. destroy
22. To access Oracle or MySQL from servlet, where the Oracle and MySQL jar files should be placed?
    1. in the class directory of the servlet source code
    2. TomcatRootDir\webapps\WEB-INF\classes
    3. in the class directory of the servlet class code
    4. TomcatRootDir\common\lib
23. In a URL query string, the \_\_\_\_\_\_ symbol separates the program from the parameters.
    1. +
    2. ?
    3. =
    4. &
24. The servlet initialization parameters are specified in the \_\_\_\_\_\_\_ deployment descriptor file as part of a servlet element.
    1. web.Doc
    2. web.ini
    3. web.xml
    4. web.txt
25. Which Listener you should use , when you want to know session attribute has added,removed or repalced?
    1. HttpSessionAttributeListener
    2. HttpSessionListener
    3. HttpSessionBindingListener
    4. HttpSessionActivationListener
26. Suppose the two parameters in the doGet or doPost method are request and response. To send output to a client, create a PrintWriter using \_\_\_\_\_\_\_\_\_\_\_\_\_.
    1. response.getWriter()
    2. response.getWrite()
    3. response.getPrintWriter()
    4. response.writer()
27. The GET and POST methods are specified in \_\_\_\_\_\_\_\_\_.
    1. an HTML form
    2. a URL string
    3. a CGI program
    4. a Java program
28. The \_\_\_\_\_\_\_\_\_ interface defines the methods that all servlets must implement.
    1. HttpServlet
    2. ServletRequest
    3. ServletResponse
    4. javax.servlet.Servlet