Chapter 4: Servlets.

1. The java _____ specification defines an application programming interface for communication between web server and application program.

   (A) Randomize
   (B) Program
   (C) Servlet
   (D) Server

2. What is fullform of CGI?

   (A) Common Gate interference
   (B) Common Gateway Interface
   (C) Common Gateway Intercept
   (D) None of Above

3. State true or false: In CGI, process starts with each request and will initiate OS level process.

   (A) true
   (B) false

4. What are functionalities of servlet container?

   (A) Communication support
   (B) Multi threading support
   (C) Life cycle management
   (D) All of Above

5. Which of following is/are steps for servlet life cycle?

   (A) Servlet class is loaded
   (B) Servlet instance is created
   (C) init,Service,destroy method is invoked
   (D) All of Above

6. Which of the following is true about init() method of servlet?

   (A) It is not called again and again for each user request.
   (B) It simply creates or loads some data that will be used throughout the life of the servlet.
   (C) Both A & B
   (D) None of Above

7. Which of the following is true about servlets?

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

8. Which of the following is true about destroy() method of servlet?

(A) It is called only once.
(B) Servlet object is marked for garbage collection after called destroy() method.
(C) The servlet is terminated by calling the destroy() method.
(D) All of Above

9. Which type of ServletEngine is a server that includes built-in support for servlets?

(A) Add-on ServletEngine
(B) Standalone ServletEngine
(C) Embedded ServletEngine
(D) None of Above

10. Which of following ways to create servlet?

(A) Using GenericServlet class
(B) Using Servlet Interface
(C) Using HttpServlet class
(D) All of Above

11. Which of following is/are application server?

(A) JBoss
(B) Weblogic
(C) Both A & B
(D) Apache

12. Which of following is/are valid jar file require for compile servlet?

(A) javaee.jar
(B) weblogic.jar
(C) servlet-api.jar
(D) All of Above

13. To compile servlet which jar file require for tomcat-apache server?

(A) javaee.jar
(B) weblogic.jar

(C) servlet-api.jar
(D) None of Above

14. Which packages needs to import to make servlet?

(A) javax.servlet
(B) javax.servlet.http
(C) Both A & B
(D) None of Above

15. Which class can handle any type of request means protocol-independent?

(A) HttpServlets
(B) GenereicServlets
(C) Both A & B
(D) None of Above

16. What type of servlets use these methods doGet(), doPost(),doHead, doDelete(), doTrace()?

(A) HttpServlets
(B) GenereicServlets
(C) Both A & B
(D) None of Above

17. Which of following class extends by HttpServlet class?

(A) Servlets
(B) Genereic Servlets
(C) Both A & B
(D) None of Above

18. State true or false: Servlets handle simultaneous requests by using threads.

(A) true
(B) false

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

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

20. Which object is created by the web container at time of deploying the project?

(A) ServletConfig

(B) ServletContext
(C) Both A & B
(D) None of Above

21. Which of following is correct syntax to retrieve the value of a request parameter?

(A) request.getParameter(name)
(B) Header.getParameter(name)
(C) response.getParameter(name)
(D) None of Above

22. Which of following method of HTTP request is/are secure?

(A) GET
(B) POST
(C) Both A & B
(D) None of Above

23. Which of following method is used to send the same request and response objects to another servlet using RequestDispatcher ?

(A) sendRedirect()
(B) forward()
(C) Both A & B
(D) None of Above

24. Which of following scope an attribute in servlet is an object that can be set, get or removed?

(A) session scope
(B) application scope
(C) request scope
(D) All of Above

25. Which of following is correct syntax to send error to client with specific status code & message?

(A) header.sendError(statusCode,message)
(B) request.sendError(statusCode,message)
(C) response.sendError(statusCode,message)
(D) None of Above

26. Which of following tasks performed by servlet filter?

(A) authentication-blocking of requests
(B) data compression

(C) logging and auditing
(D) All of Above

27. When doGet() method of servlet called?

(A) service() method checks the HTTP request type as GET
(B) service() method checks the HTTP request type as POST
(C) Both A & B
(D) None of Above

28. A deployment descriptor describes _____.

(A) Web component request setting
(B) Web component response setting
(C) Web component request and response objects
(D) Web component setting

29. Scope of ServletContext is_____.

(A) limited particular servlet
(B) global to entire web application
(C) Both A & B
(D) None of Above

30. Which tag is used to pass parameter for particular servlet using web.xml?

(A) <context-param>
(B) <servlet-param>
(C) <init-param>
(D) None of Above

31. <context-param> tag appears in _____ tag of web.xml.

(A) <web-app>
(B) <Servlet>
(C) <servlet-mapping>
(D) None of Above

32. Which of following is not the session tracking techniques?

(A) HttpSession
(B) Hidden fields
(C) URL Rewriting
(D) Servlet object

33. State true or false: Session tracking using HttpSession, client state store at server side.

   (A) true
   (B) false

34. State true or false: Session tracking using Cookie, client state store at server side.

   (A) true
   (B) false

35. Which cookie is valid for single session only and it is removed when the user closes the browser?

   (A) Non-persistent cookie
   (B) Persistent cookie
   (C) Both A & B
   (D) None of Above

36. Which methods are used to bind the objects on HttpSession instance and get the objects?

   (A) setAttribute()
   (B) getAttribute()
   (C) Both A & B
   (D) None of Above

37. Which of following is correct syntax to delete an attribute from HttpSession object in servlet?

   (A) session.deleteAttribute(name)
   (B) session.removeAttribute(name)
   (C) session.alterAttribute(name)
   (D) None of Above

38. Which of following is/are used to communicate from an applet to servlet?

   (A) HTTP
   (B) RMI
   (C) Socket
   (D) All of Above

39. Which of following session tracking method leads to high network traffic?

   (A) URL rewriting
   (B) SSL sessions
   (C) Cookies

(D) None of Above

40. What is the maximum size of cookie?

(A) 4 MB
(B) 4 KB
(C) 40 KB
(D) 4 bytes

41. How can we invalidate a session?

(A) session.disconnect()
(B) session.terminate()
(C) session.invalidate()
(D) session.close()

42. Which method creates unique fields in the HTML which are not shown to the user?

(A) URL writing
(B) HTML Blank Field
(C) HTML invisible field
(D) HTML Hidden field

43. A servlet maintain session in _____.

(A) Servlet Context
(B) Servlet container
(C) Servlet response heap
(D) Servlet request heap

44. What is the meaning of following code in web.xml?

```
<session-config>

<session-timeout>0<session-timeout>

</session-config>
```

(A) Sessions are never created
(B) Session are never invalidated.
(C) Session timeout is 0 so sessions never get created
(D) None of Above

45. What is difference between servlet and applet?
1) Servlet create static web pages whereas applet creates dynamic web pages
2) Servlet executes on server whereas applet executes on browser

3) Servlet have no GUI whereas applet has GUI
4) Servlet can handle only a single request whereas applet can handle multiple requests

(A) 1 & 2 are correct
(B) 1, 2 & 3 are correct
(C) 2 & 3 are correct
(D) 2, 3 & 4 are correct