

Servlets & JSP

QUIZ

Which of the following is server side programming languages?

1.HTML

2.JavaScript

3.JSP

4.Sevlets

A.1,2,3,4

B.1,2

C 3,4

D.None

What JSP stands for

1.Java Server Pages

2.Java Server Programming

3.Java Service Pages

4.Java Service Programming

JSP is basically used today

1.To make controller

2.To make GUI

3.In writing business logic

4.Deprecated

5.None

We must configure and map all jsp files into
web.xml

1.YES

2.NO

Syntax of Scriptlet Element

1. `<% code %>`
2. `<@jsp code %>`
3. `<jsp: scriptlet code />`
4. `<%jsp code %>`

Syntax of Declaration Element

1.<%! code !%>

2.<%! code %>

3.<jsp: scriptlet code />

4.<%jsp code !%>

Syntax of comments

1. `<%-- comment --%>`

2. `<!-- comment -->`

3. `<% // comment %>`

4. `<% /* comment */ %>`

5. `<% /** comment */ %>`

Choose correct scopes into JSP:-

- 1.page, request, session, application
- 2.Page, response, session, application
- 3.Page, request, response, session
- 4.None

Choose JavaBean Actions:-

1.useBean

2.setProperty

3.getProperty

4.All

5.None

In <jsp:useBean> which two attributes is necessary

1.id and scope

2.class or beanName.

3.type and id

4 None

- Correct syntax of useBean Action
1. `<jsp:useBean id=" " class=" "> </jsp:useBean>`
 2. `<jsp:useBean id=" " property=" "> </jsp:useBean>`
 3. `<jsp:useBean name="newBean" class=" "> </jsp:useBean>`
 4. `<jsp:useBean beanName=" " class=" "> </jsp:useBean>`

Correct syntax of setProperty Action 1.<jsp:useBean
id="login"
class="r4r.co.in.R4RLogin"><jsp:setProperty
name="login" property="username"
value="rajesh"></jsp:useBean>

2.<jsp:useBean id="login"
class="r4r.co.in.R4RLogin"></jsp:useBean><jsp:se
tProperty name="login" property="username"
value="rajesh">

3 Both

4.None

In `<jsp:getProperty />` which two attributes is necessary

1.id and scope

2.class or beanName,name,property,value.

3.type and id

4.name and property

5.None

In <jsp:include> which attributes are used

1.id and scope

2.type and id

3.file and flush

4. page and flush

Choose correct syntax to pass parameter into jsp include action

1. `<jsp:include page="/login.jsp" flush="yes"><jsp:param name="user" value="rajesh" /></jsp:include>`
2. `<jsp:include page="/login.jsp" flush="yes" param="user" value="rajesh"></jsp:include>`
3. `<jsp:include page="/login.jsp" flush="yes" property="user" value="rajesh"></jsp:include>`
4. All of the above.
5. None

1 Which of these are the methods of lifecycle of servlets.

A init() B start C service d.destroy
e all these.

- can init() be overridden -----true / false
- What parameter does overloaded init() method take.
- _____ represents an interface for the entire context of the web application.
 - A Servlet config
 - B Servletcontext
 - C DeploymentDescriptor
 - D ApplicationContext.

Number of web.xml that can exist in a web application.

- A one for every servlet
- B one for every web application
- C any number .

6 Which of the following are valid elements of web.xml.

init-param , servlet ,servlet-mapping, welcome-file-list,listener, context-param,application-param,
url-mapping,.

The process of loading a servlet before any request comes in is called preloading. (true/false)

- Servlet Container initializes a servlet when it receives a request for that servlet first time. This is called _____ (early loading / lazy loading)

Which of these are not Http methods that can be defined in servlet.

- A doput()
- B doget()
- C doHead()
- D none

- Query string is displayed as part of url in which of these methods. doGet() and doPost().

Tick all the jsp implicit objects.

response

pageContext

session

application

out

pagecontext

writer

context

config

page

exception

request

12 What is the difference between
request.sendRedirect() and forward().

What is the default scope for jsp:useBean.

What is the difference between `<%! Int x=10; %>`
and `<% int x=12; %>`

Which package provides interfaces and classes for writing servlets?

When a `HttpServlet` accepts a call from a client, it receives two objects. What are they?

Which of these are classes and which are interfaces.

- A ServletContext
- B GenericServlet
- C HttpServlet
- D HttpSession
- E HttpRequest
- F HttpResponse
- G RequestDispatcher

getInitParameter() is used for accessing which of these element values.

- A init-param
- B context-param
- C both

Servlets are loaded based on single threaded model. True/false

Which are the various ways of session tracking.

- A session object
- B cookies
- C UrlEncoding
- D form field
- E All the above

What is basic difference between include
file="demo.jsp" and jsp:include

Which of the following are reasons for session closing.

- A calling invalidate()
- B timeout
- C power shut down.
- D Closing of browser

in setMaxInactiveIntervals(3000), 3000 is in
_____ unit.

Which of the following methods creates a new session,if the session is not present.

- A `request.getSession()`
- B `request.getSession(true)`
- C `request.getSession(false)`
- D All the above

Which interfaces define getSession() method

- A ServletRequest
- B ServletResponse
- C HttpServletRequest
- D HttpServletResponse

What is the signature of `setAttribute()`.

- A `setAttribute(String s, Object o)`
- B `setAttribute(Object a, Object b)`
- C `setAttribute(String s, String p)`
- D `setAttribute(Object o, String s)`

getAttribute() returns a value of type_____

Which JSP expression tag will print the context initialization parameter named “javax.sql.DataSource”?

- A <%=
application.getAttribute(“javax.sql.DataSource”) %>
- B <%=
application.getInitParameter(“javax.sql.DataSource”)
%>
- C <%= request.getParameter(“javax.sql.DataSource”)
%>
- D <%=
contextParam.getAttribute(“javax.sql.DataSource”) %>

Which JSP lifecycle step is out of order?

- A Translate The JSP into java source code
- B compile source code and create a class
- C call `_jspService()`
- D Instantiate the servlet class
- E call `jspInit()`
- F call `jspDestroy()`
- G load and initialize as a servlet

Which of the following methods has a limit to the size of data.(GET/POST)

What will `request.getParameter("name")` return if `name` is not a valid field in the request.

A throws `NullPointerException`

B prints `null`

C no output

D compilation error.

In which of the folders is web.xml stored during deployment of the web application.

A lib

B WEB-INF

C classes

D ROOT

Which of the following are valid expression tags in jsp

A `<%= x+y; %>`

B `<%= x+y %>`

C `<% = out.println(x+y) %>`

Which of the following attribute elements are not valid in useBean tag.

A id

B class

C scope

D property

With which object you call
getParameter("username") inside a servlet/jsp
to get value from a query string.

A response

B request

C session

D all the above

If the request url is:

<http://localhost:8080/webdemos/MyServlet?name=sam>

inside the servlet the statement
`request.getParameter("username")`
prints _____

- a null
- b sam
- c error
- D username

in html <form action="h1"></form>

Executes which of the following methods

- A doPost
- B doGet
- C doTrace
- D doDelete

<% int x=10; %> -----1

<% ++x; %> -----2

<%= x%> -----3

What is the output if the above code in a jsp is executed thrice.

A 11 , 11, 11

B 11,12,13

C x is not accessible in statements 2 and 3

D Statement 3 has error, there should be a semicolon.

<%! int x=10; %> -----1

<% ++x; %> -----2

<%= x%> -----3

What is the output if the above code in a jsp is executed thrice.

A 11 , 11, 11

B 11,12,13

C x is not accessible in statements 2 and 3

D Statement 3 has error, there should be a semicolon.

```
<% int x=12; %>  
<%! int f1(){  
    out.println(x);  
%>
```

Output: ?

A 12

B error because x is not accessible

C error because out is not accessible

D error because out not declared

```
<% int x=12;  
out.println(x);  
%>
```

gets translated to.

A

```
public void _jspService(some code){  
    int x=12;  
    PrintWriter out=response.getWriter();  
    out.print(x);}
```

B

```
int x=12;  
public void _jspService(some code){  
    PrintWriter out=response.getWriter();  
    out.print(x);}
```

C

```
int x=12;  
public void jspInit(){  
    PrintWriter out=response.getWriter();  
    out.print(x);  
}
```