

JAVA Programming Language Homework VIII: JSP

ID:

Name:

1. In which of the following situations will a session be invalidated? (Select two)

- A. No request is received from the client for longer than the session timeout period.
- B. The client sends a KILL_SESSION request.
- C. The servlet container decides to invalidate a session due to overload.
- D. The servlet explicitly invalidates the session.
- E. A user closes the active browser window.
- F. A user closes all of the browser windows.

ANS:

2. Which of the following correctly defines data integrity?

- A. It guarantees that information is accessible only to certain users.
- B. It guarantees that the information is kept in encrypted form on the server.
- C. It guarantees that unintended parties cannot read the information during transmission between the client and the server.
- D. It guarantees that the information is not altered during transmission between the client and the server.

ANS:

3. Consider the following code and select the correct statement about it from the options below.

```
<html><body>  
<%! int aNum=5 %>  
The value of aNum is <%= aNum %>  
</body></html>
```

- A. It will print "The value of aNum is 5" to the output.
- B. It will flag a compile-time error because of an incorrect declaration.
- C. It will throw a runtime exception while executing the expression.
- D. It will not flag any compile-time or runtime errors and will not print anything to the output.

ANS:

4. Which of the following tags can you use to print the value of an expression to the output stream?

- A. `<%@ %>`
- B. `<%! %>`
- C. `<%// %>`
- D. `<%= %>`
- E. `<%-- --%>`

ANS:

5. What will be the output of the following code?

```
<html><body>  
    The value is <%= " "%>  
</body></html>
```

- A. Compilation error.
- B. Runtime error
- C. The value is
- D. The value is null

ANS:

6. Which of the following implicit objects can you use to store attributes that need to be accessed from all the sessions of a web application?

- A. application
- B. session
- C. request
- D. page

ANS:

7. Select the correct statement about the following code.

```
<%@ page language="java" %>
<html><body>
out.print("Hello ");
out.print("World ");
</body></html>
```

- A. It will print Hello World in the output.
- B. It will generate compile-time errors.
- C. It will throw runtime exceptions.
- D. It will only print Hello.
- E. None of the above.

ANS:

8. Select the correct statement about the following code.

```
<%@ page language="java" %>
<html><body>
<%
    response.getOutputStream().print("Hello ");
    out.print("World");
%>
</body></html>
```

- A. It will print Hello World in the output.
- B. It will generate compile-time errors.
- C. It will throw runtime exceptions.
- D. It will only print Hello.
- E. None of above.

ANS:

9. What is the output of the following code?

```
<html><body>
  <% int i = 10 ; %>
  <% while(--i >= 0) { %>
    out.print(i);
  <%}%>
</body></html>
```

- A. 9876543210
- B. 9
- C. 0
- D. None of the above.

ANS:

10. Consider the contents of three JSP files:

File 1: one.jsp

```
<html><body><pre>
  <jsp: include page="two.jsp" >
    <jsp: param name="color" value="red" />
  </jsp: include>
</pre></body></html>
```

File 2: two.jsp

```
<jsp: include page="three.jsp" >
```

```
<jsp: param name="color" value="green" />  
</jsp: include>
```

File 3: three.jsp

```
<%= request.getParameter("color") %>
```

What will be the output of accessing the one.jsp file via the following URL?

<http://localhost:8080/one.jsp?color=blue>

- A. red
- B. green
- C. blue
- D. None of the above

ANS: