JSP Introduction Quiz

**1. What is the main value of Java Server Pages?**

To separate display from processing:

- servlet is java code with lot of enclosed HTML -> it is hard to maintain

- JSP: is HTML code with some java <%%>

**2. How are JSP pages related to servlets?**

JSP elements are translated and excuted by the servlets container

**3. How are JSP pages related to HTML?**

**-** Template data is the static part (HTML code)

- JSP elemets will be translated and excuted by the servlet containers

**4. Give an example of a JSP scriptlet and show how it will look in the JSP servlet .**

<% out.print("Hello world") %>

void \_jspService(HttpServletRequest request, HttpServletResponse response) {

JspWriter out = response.getWriter();

out.print("Hello world");

}

**5. Give an example of a JSP declaration and show how it will look in the JSP servlet.**

<%! int count = 0; %>

void \_jspService(HttpServletRequest request, HttpServletResponse response) {

int count = 0;

}

**6. Give an example of a JSP comment and show how it will look in the JSP servlet.**

<%-- comment --%>

void \_jspService(HttpServletRequest request, HttpServletResponse response) {

/\* comment \*/

}

**7. Give an example of a JSP expression and show how it will look in the JSP servlet.**

**<%= ++count%>**

void \_jspService(HttpServletRequest request, HttpServletResponse response) {

JspWriter out = response.getWriter();

out.print(++count);

}

**8. Give an example of a JSP directive and show how it will look in the JSP servlet.**

<%@ page import="java.util.Date"%>

void \_jspService(HttpServletRequest request, HttpServletResponse response) {

import java.util.Date;

}

**9. Explain how an EL expression is evaluated.**

- Check page scope for attribute name -> no

- check request scope -> no

- check session scope -> no

- check applicateion scope -> no

- ignore

**10. Explain how servlet attributes are involved in EL expressions.**

variables in EL will search for value in the servlet attribteus

**11. Explain how servlets and JSPs use request dispatch to interact.**

servlet will pass attribute to JSP