JSP Introduction Quiz

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

A JSP page consists of HTML tags. The JSP pages are easier to maintain Than Servlet because we can separate designing and development. It provides some additional features such as Expression Language, Custom Tags.

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

A servlet is a server- side program and written purely on java. JSP is an interface on top of Servlet. In another way, we can say that JSPs are extension of servlets to minimize the effort of developers to write User Interface using JAVA programming. A JSP program is compiled into a Java Servlet before execution.

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

A JSP page consists of HTML tags.

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

<select name = ‘styleId’>

<% BeerStyle[] styles = beerService.getStyles();

for(int i=0; i< styles[i]; %>

BeerStyle style = styles[i]; %>

<option value = ‘<%= style.getObjectID() %>’>

<%= style.getTitle() %>

</option>

<% } %>

</select>

**It will look like following code in the JSP servlet.**

<select name =’styleId’>

<c:forEach var =’style’ items=’${beerService.styles}’>

<option value =’{style.objectID}’>$(style.title}</option>

<c:for>

</select>

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

<%! Int count = 0; %> in jsp servlet it looks like

It will be converted into instance variable. Like

Int count = 0;

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

<%-- JSP comment --%>

// java comment

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

<%= java expression %>

<%count = count\*10; %>

<%= ++count %>

Becomes

out.print(++count); in java servlet.

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

<%@ page import =”java.util.Date”%>

<html>

<body>

<% System.out.println(“Evaluating date now”);

Date date = new Date(); %>

Hello! The time is now <%= date %>

</body>

</html>

Becomes

9. Explain how an EL expression is evaluated.

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

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