JSP Introduction Quiz

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

Embedding some Java code in HTML pages.

1. How are JSP pages related to servlets?

JSP pages actually are compiled into Java servlets.

1. How are JSP pages related to HTML?

JSP is an HTML page that can have some embedded Java code.

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

Scriptlet example:

<% if (condition) { %>

<p>This is only shown if the condition is true</p>

<% } %>

How it appears in servlet:

if (condition) {

out.print(“<p>This is only shown if the condition is true</p>”);

}

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

JSP declaration:

<%! int x = 0; %>

How it appears in servlet:

int x = 0;

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

<%-- This is a JSP comment --%>

It will not be copied into the servlet.

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

JSP expression:

<%= 2 < 3 %>

How it appears in servlet:

out.print(2 < 3);

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

JSP directive:

<%@ page attribute = "value" %>

It will not be copied into the servlet.

1. Explain how an EL expression is evaluated.

The container uses the page scope to find the specified attribute. If it’s not found, it uses the check request scope to find it. If not found again, it’ll check session scope for it. If not found, it’ll check application scope for it. If it wasn’t found in any scope, the expression will be ignored.

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

EL expressions search for data in the servlet attributes. They try to find an attribute with the same name as the expression.

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

Request dispatch is used to forward requests from servlets to JSP pages. To send data to a JSP or Servlet page, and attribute should be set to the request and then it will be forwarded to the other servlet.