# JSP Introduction Quiz

# What is the main value of Java Server Pages?

It separates html from java code.

# How are JSP pages related to servlets?

JSP pages will be compiled to relevant servlets before executing.

# How are JSP pages related to HTML?

JSP pages are mixed both HTML code and Java server code, it means HTML code can include in the JSP pages.

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

<% name = request.getParameter(“name”) %>

It is the same servlet code:

String name = request.getParameter(“name”);

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

<%! List<String> listProducts = new ArrayList(); %>

It is the same servlet code:

List<String> listProducts = new ArrayList();

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

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

It is the same servlet code:

// This is a comment from JSP page

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

<%= session.getAttribute(“username”) %>

It is the same servlet code:

out.println(session.getAttribute(“username”));

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

<%@ page import=”*java.util.List*” %>

It is the same servlet code:

Import *java.util.List;*

# Explain how an EL expression is evaluated.

It is validated by the servlet container and evaluated at the runtime. In particular, the container will check attributes at the page scope, if not found, it will keep checking at scopes, request, session and application as the last scope. If it isn’t found, it will be ignored

# Explain how servlet attributes are involved in EL expressions.

Attribute name are used directly in the EL expressions, relevant methods with attribute names will not be specified in the expression.

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

The class RequestDispatcher is used to dispatch requests between them.

For example for dispatching from servlet to a JSP page.

RequestDispatcher dispatcher = request.getRequestDispatcher("result.jsp");