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

It’s separate the display from processing, in other words, separate html from java.

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

It’s related to the servlets in the way that in the compilation process, the JSP is turned into a servlet and the life cycle is similar to the life cycle of servlets as well.

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

It’s related to HTML in the way that JSP is a technology for developing web pages that allow developers to insert java code in HTML pages.

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

JSP scriptlet

<%! Int count = 0 %>

JSP servlet

public class ExampleServlet()

{

init(){ … }

service(){

int count = 0;

}

destroy(){ … }

}

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

JSP declaration

<%! Int count = 0 %>

JSP servlet

public class ExampleServlet()

{

int count = 0;

init(){ … }

service(){ … }

destroy(){ … }

}

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

JSP Comment

<%-- jsp comment --%>

JSP Servlet

//jsp comment

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

JSP Expression

<%= ++count%>

JSP Servlet

out.print(++count);

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

JSP Directive

<%@ page import=”java.util.Date” %>

JSL Servlet

import java.util.Date;

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

${something}

Firstly, the container checks the page scope for an attribute named “something”. If found use it. If not, it’s going to check sequentially and do the same with the followings scopes: the request scope, the session scope, and application scope. If it doesn’t find, then ignore the expression.

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

They are involved because the container check all the attributes in created in all the scopes as request, session, application and page.

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

It’s used when you apply the MVC architecture, so the servlet it’s represented by the controller and the role of the controller it’s to manipulate the model and return the model to the view, so, the view in this case it’s going to be the JSP’s and the servlet it’s going to use the request dispatch to return the processed information to the view.