

JavaServer Pages Questions: Part 1

Explain the differences between servlets and Java Server Pages.

What are the advantages of JavaServer pages over servlets?

Describe the four basic JSP elements.

Describe the kinds of comments allowed in JavaServer pages.

What happens when a client first requests a JavaServer page?

What is the signature of the main method in the servlet generated from a JavaServer page?

Describe the two main kinds of directives.

What attributes do we mainly use with a page directive?

Where can we place an included JavaServer document so that it cannot be accessed directly by a client?

What problem arises when we use a JSP declaration to create class or instance variables in a JavaServer page?

Describe the two basic ways that we can use to validate client input to a JavaServer page?

How do we define a JavaScript method in HTML?

What elements need to be defined to have an error page for a JavaServer page?

What are the three standard actions for using a JavaBean in a JavaServer page?

Describe four variations for the standard action *jsp:setProperty*.

Describe the conversions that are performed when we use parameters in a *jsp:setProperty* element.

What is the main reason we use JavaBeans when creating JavaServer pages?

Describe the differences between an include directive and an include standard action.

Name the nine predefined identifiers that are available to a JavaServer page.

Which implicit objects allow the storage of values in an associated hash table?

What methods can be used to manipulate a hash table associated with *pageContext*, *request*, *session*, and *application*?

Describe the four scopes that can be used for a JavaBean in a JavaServer page.

Which scope(s) share their values with an included page?

Which scope(s) may allow interference when multiple clients request JavaServer pages?

When is a JavaServer page translated into a servlet?

When is the translated and compiled servlet loaded into memory?

When is the `_jspService` method called?

Give an example of JSP code that inserts an applet onto the current page.

Where can we place the information that is used to access a particular database in a JavaServer page?

Explain the standard actions: `jsp:useBean`, `jsp:getProperty`, `jsp:setProperty`, `jsp:include`, `jsp:forward`, `jsp:plugin`, `jsp:params`, and `jsp:param`.

Why use `"login".equals(myParam)` instead of `myParam.equals("login")`?

Explain the use of a `context-param` element in the deployment descriptor.

Explain how configuration parameters may be accessed in a JavaServer page.

What does MVC stand for?

In a Java web application which features are used to implement the Model, the View, and the Controller, respectively?

Which component of an MVC application communicates with the database, normally?

What are the advantages of using the MVC pattern?

What is the advantage of using `forward` method from the `RequestDispatcher` class over the `sendRedirect` method?