

JAVASERVER PAGES™ (JSP) TECHNOLOGY SYNTAX

JSP 1.0 REVISION B

Tag	Description	JSP Syntax
	<i>Legend</i>	<p>All tags are case sensitive.</p> <p>plain text = required bold = default <i>italics</i> = user-defined = or [] = optional { } = required choice ... = list of items + = can repeat</p>
Output Comment	Generates a comment that is sent to the client in the viewable page source.	<!-- comment [<%= expression %>] -->
Hidden Comment	Documents the JSP page, but is not sent to the client.	<%-- comment --%>
Declaration	Declares variables or methods valid in the page scripting language.	<%! declarations %>
Expression	Contains an expression valid in the page scripting language.	<%= expression %>
Scriptlet	Contains a code fragment valid in the page scripting language.	<% code fragment %>
Include Directive	Includes a file of text or code in the JSP source file.	<%@ include file="relativeURL" %>
Page Directive	Defines attributes that apply to an entire JSP page.	<pre><%@ page [language="java"] [extends="package.class"] [import=" { package.class package.* }, ... "] [session="true false"] [buffer="none 8kb sizekb"] [autoFlush="true false"] [isThreadSafe="true false"] [info="text"] [errorPage="relativeURL"] [contentType="mimeType [; charset=characterSet]" "text/html ; charset=ISO-8859-1"] [isErrorPage="true false"] %></pre>
Taglib Directive	Defines a tag library and prefix for the custom tags used in the JSP page.	<pre><%@ taglib uri="URIToTagLibrary" prefix="tagPrefix" %></pre> <p>custom tag:</p> <pre><tagPrefix:name attribute="value"+ ... /> <tagPrefix:name attribute="value"+ ... > other tags </tagPrefix:name></pre>



For more information about JavaServer Pages technology, please visit <http://java.sun.com/products/jsp>



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<jsp:forward>	Forwards a client request to an HTML file, JSP file, or servlet for processing.	<jsp:forward page="{ relativeURL <%= expression %> }" />	
<jsp:getProperty>	Gets the value of a Bean property so that you can display it in a JSP page.	<jsp:getProperty name="beanInstanceName" property="propertyName" />	
<jsp:include>	Includes data in a JSP page from another file, without parsing the data.	<jsp:include page="{ relativeURL <%= expression %> }" flush="true" />	
<jsp:plugin>	Downloads a Java plugin to the client Web browser to execute an applet or Bean.	<pre><jsp:plugin type="bean applet" code="classFileName" codebase="classFileDirectoryName" [name="instanceName"] [archive=" URIToArchive, ... "] [align="bottom top middle left right"] [height="displayPixels"] [width="displayPixels"] [hspace="leftRightPixels"] [vspace="topBottomPixels"] [jreversion="JREVersionNumber 1.1"] [nspluginurl="URLToPlugin"] [iepluginurl="URLToPlugin"] ></pre> <p>[<jsp:params> [<jsp:param name="parameterName" value="parameterValue" />]+ </jsp:params>] [<jsp:fallback> text message for user </jsp:fallback>]</p> <pre></jsp:plugin></pre>	
<jsp:setProperty>	Sets a property value or values in a Bean.	<pre><jsp:setProperty name="beanInstanceName" { property=" * " property="propertyName" [param="parameterName"] property="propertyName" value=" { string <%= expression %> } " } /></pre>	
<jsp:useBean>	Locates or instantiates a Bean with a specific name and scope.	<pre><jsp:useBean id="beanInstanceName" scope="page request session application" { class="package.class" type="package.class" class="package.class" type="package.class" beanName=" { package.class <%= expression %> } " type="package.class" } { /> > other tags </jsp:useBean> }</pre>	
Implicit Objects	Type	Scope	Some Useful Methods (see class or interface for others)
request	Subclass of <i>javax.servlet.ServletRequest</i>	Request	getParameter, getParameterNames, getParameterValues
response	Subclass of <i>javax.servlet.ServletResponse</i>	Page	<i>Not typically used by JSP page authors</i>
pageContext	<i>javax.servlet.jsp.PageContext</i>	Page	findAttribute, getAttribute, getAttributesScope, getAttributeNamesInScope
session	<i>javax.servlet.http.HttpSession</i>	Session	getId, getValue, getValueNames, putValue
application	<i>javax.servlet.ServletContext</i>	Application	getMimeType, getRealPath
out	<i>javax.servlet.jsp.JspWriter</i>	Page	clear, clearBuffer, flush, getBufferSize, getRemaining
config	<i>javax.servlet.ServletConfig</i>	Page	getInitParameter, getInitParameterNames
page	<i>java.lang.Object</i>	Page	<i>Not typically used by JSP page authors</i>
exception	<i>java.lang.Throwable</i>	Page	getMessage, getLocalizedMessage, printStackTrace