

# JAVASERVER PAGES™ (JSP) TECHNOLOGY SYNTAX

JSP 1.0 REVISION B

Tag	Description	JSP Syntax
	<i>Legend</i>	All tags are case sensitive.  plain text = required <b>bold</b> = default <i>italics</i> = user-defined      = or [ ] = optional                { } = required choice    ... = list of items                + = can repeat
<b>Output Comment</b>	Generates a comment that is sent to the client in the viewable page source.	<code>&lt;!-- comment [ &lt;%= expression %&gt; ] --&gt;</code>
<b>Hidden Comment</b>	Documents the JSP page, but is not sent to the client.	<code>&lt;%-- comment --%&gt;</code>
<b>Declaration</b>	Declares variables or methods valid in the page scripting language.	<code>&lt;%! declarations %&gt;</code>
<b>Expression</b>	Contains an expression valid in the page scripting language.	<code>&lt;%= expression %&gt;</code>
<b>Scriptlet</b>	Contains a code fragment valid in the page scripting language.	<code>&lt;% code fragment %&gt;</code>
<b>Include Directive</b>	Includes a file of text or code in the JSP source file.	<code>&lt;%@ include file="relativeURL" %&gt;</code>
<b>Page Directive</b>	Defines attributes that apply to an entire JSP page.	<code>&lt;%@ 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" ] %&gt;</code>
<b>Taglib Directive</b>	Defines a tag library and prefix for the custom tags used in the JSP page.	<code>&lt;%@ taglib uri="URIToTagLibrary" prefix="tagPrefix" %&gt;</code>  custom tag: <code>&lt;tagPrefix:name attribute="value"+ ... /&gt;</code> <code>&lt;tagPrefix:name attribute="value"+ ... &gt; other tags &lt;/tagPrefix:name&gt;</code>



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>&lt;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" ] &gt;</pre> <pre>[ &lt;jsp:params&gt; [ &lt;jsp:param name="parameterName" value="parameterValue" /&gt; ]+ &lt;/jsp:params&gt; ] [ &lt;jsp:fallback&gt; text message for user &lt;/jsp:fallback&gt; ]</pre> <pre>&lt;/jsp:plugin&gt;</pre>	
<jsp:setProperty>	Sets a property value or values in a Bean.	<pre>&lt;jsp:setProperty name="beanInstanceName"   { property=" * "   property="propertyName" [ param="parameterName" ]     property="propertyName" value=" { string   &lt;%= expression %&gt; } " } /&gt;</pre>	
<jsp:useBean>	Locates or instantiates a Bean with a specific name and scope.	<pre>&lt;jsp:useBean id="beanInstanceName" scope="page request session application"   { class="package.class"   type="package.class"   class="package.class" type="package.class"     beanName=" { package.class   &lt;%= expression %&gt; } " type="package.class" }   { /&gt;   &gt; other tags &lt;/jsp:useBean&gt; }</pre>	
<b>Implicit Objects</b>	<b>Type</b>	<b>Scope</b>	<b>Some Useful Methods (see class or interface for others)</b>
<b>request</b>	Subclass of <i>javax.servlet.ServletRequest</i>	Request	getParameter, getParameterNames, getParameterValues
<b>response</b>	Subclass of <i>javax.servlet.ServletResponse</i>	Page	<i>Not typically used by JSP page authors</i>
<b>pageContext</b>	<i>javax.servlet.jsp.PageContext</i>	Page	findAttribute, getAttribute, getAttributesScope, getAttributeNamesInScope
<b>session</b>	<i>javax.servlet.http.HttpSession</i>	Session	getId, getValue, getValueNames, putValue
<b>application</b>	<i>javax.servlet.ServletContext</i>	Application	getMimeType, getRealPath
<b>out</b>	<i>javax.servlet.jsp.JspWriter</i>	Page	clear, clearBuffer, flush, getBufferSize, getRemaining
<b>config</b>	<i>javax.servlet.ServletConfig</i>	Page	getInitParameter, getInitParameterNames
<b>page</b>	<i>java.lang.Object</i>	Page	<i>Not typically used by JSP page authors</i>
<b>exception</b>	<i>java.lang.Throwable</i>	Page	getMessage, getLocalizedMessage, printStackTrace