



JSTL - Jsp Standard Tag Library

Presented by

JSTL

- A collection of tags to simplify JSP development
 - A way of replacement of scriptlets in JSP
 - Encapsulate core functionality common to many JSP Apps
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- JSTL – Core Tags
 - Provides variable support, flow control

@taglib directive – Core Tags - c:set, c:out

@page - for Tomcat 10.0 Jakarta api :

```
<%@ page language="java" contentType="text/html; charset=UTF-8"  
pageEncoding="UTF-8" isELIgnored="false"%>
```

@taglib:

To communicate JSP container that this page is using JSTL tags

```
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
```

<c:set>

```
<c:set var="salary" value="${2000*2}" />
```

<c:out>

```
<c:out value="${salary}" />
```

<c:if>

- **<c:if>**
- It is used to test a condition to evaluate the page body content

```
<c:set var= "number" value= "${200} "/>
<c:if test= "${number<500} ">
    <c:out value= "number is less than 500"></c:out>
</c:if>
```

<c:forEach>

The **<c:forEach>** is an iteration tag used for repeating the nested body content for fixed number of times

```
<c:forEach var= "number" begin= "1" end= "10">  
    <c:out value= "${number} "></c:out>  
</c:forEach>
```

<c:forTokens>

The **< c:forTokens >** tag iterates over tokens which is separated by the supplied delimiters

It breaks a string into tokens and iterate through each of the tokens to generate output.

```
<c:forTokens items= "Rajesh-Nesha-Krishna" delims= "- " var= "name">  
    <c:out value= "${name} " /><p>  
</c:forTokens>
```

JSTL – Formatting Tags

Purpose: Used to format data for presentation in JSPs.

Common Formatting Tags:

`<fmt:formatDate>`

`<fmt:formatNumber>`

`<fmt:formatMessage>`

`<fmt:parseDate>`

`<fmt:parseNumber>`

JSTL – Formatting Date

<fmt:formatDate> Tag

Description: Formats a date object into a string using a specified pattern.

Attributes:

value – Date object or string representation

pattern – Date format pattern (e.g., "yyyy-MM-dd")

Example:

```
<fmt:formatDate value="${myDate}" pattern="MM/dd/yyyy" />
```


JSTL – Formatting Numbers

`<fmt:formatNumber>` Tag

Description: Formats a number according to a specified pattern.

Attributes:

value – Number to format

type – Type of number (e.g., "number", "currency")

pattern – Number format pattern (e.g., "#,###.00")

Example:

```
<fmt:formatNumber value="${myNumber}" type="currency" />
```

JSTL – Formatting Messages

`<fmt:formatMessage>` Tag

Description: Formats a message using resource bundles.

Attributes:

key – Key for the message in the resource bundle

bundle – Resource bundle name (optional)

var – Variable name to store the formatted message (optional)

Example:

```
<fmt:formatMessage key="welcome.message" />
```

JSTL – Parsing Dates

`<fmt:parseDate>` Tag

Description: Parses a string into a date object based on a specified pattern.

Attributes:

value – Date string

pattern – Date format pattern

var – Variable name to store the parsed date

Example :

```
<fmt:parseDate value="${dateString}" pattern="yyyy-MM-dd" var="parsedDate" />
```

Thank You

