



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
- JSTL – Core Tags
 - Provides variable support, flow control
 - *** Download jstl-1.2.jar from :
<http://www.java2s.com/Code/Jar/j/Downloadjstl12jar.htm>
 - *** Put the jar file in WEB-INF\lib folder of Eclipse Dynamic Web Project

@taglib directive, c:set, c:out

@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:for each>** 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 (Like StringTokenizer)

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 SQL tags

The JSTL sql tags provide SQL support.

The URI attribute is :

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

<sql:setDataSource ..> Used to establish the connection without JDBC API

```
<sql:setDataSource var= "db" driver= "com.mysql.jdbc.Driver"  
    url= "jdbc:mysql://localhost/test" user= "root" password= "1234"/>
```

<sql:query> tag

The **<sql:query>** tag is used for executing the SQL query

```
<sql:query dataSource= "${db}" var= "rs" >
    SELECT * from Students;
</sql:query>
```

Use **<c:forEach>** tag to show result

```
<c:forEach var= "table" items= "${rs.rows}" >
    <tr>
        <td><c:out value= "${table.id}" /></td>
        <td><c:out value= "${table.First_Name}" /></td>
        <td><c:out value= "${table.Last_Name}" /></td>
        <td><c:out value= "${table.Age}" /></td>
    </tr>
</c:forEach>
```


