

Directive 지시어

- A. <%@ page %>
- B. <%@ include %>
- C. <%@ taglib %>

교사 최선경

A. <%@ page import=" " %>

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Displays the project structure of "projDirective".
- Editor Area:** Contains two tabs:
 - Insert title here**: Shows the placeholder text "Today is: Mon Mar 21 05:04:28 KST 2022".
 - index_page.jsp**: Displays the JSP code with syntax highlighting.
- Code Content:** The JSP code is as follows:

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="UTF-8">
7 <title>Insert title here</title>
8 </head>
9 <body>
10      <!-- 자바의 import와 유사하게 기능을 사용할 수 있다. -->
11      <div>
12          <%@ page import="java.util.Date" %>
13          Today is: <%= new Date() %>
14      </div>
15
16
17 </body>
18 </html>
```

A. <%@ page errorPage=" " %>

The screenshot shows the Eclipse IDE interface with the Project Explorer on the left and two code editors on the right.

Project Explorer:

- projDirective
- Deployment Descriptor: projDirective
- JAX-WS Web Services
- Java Resources
 - src
 - WebContent/WEB-INF/lib
 - Libraries
- JavaScript Resources
- build
- WebContent
 - err
 - error_500.jsp
 - images
 - pic.jpg
 - META-INF
 - view
 - footer.jsp
 - header.jsp
 - WEB-INF
 - lib
 - jstl-1.2.jar
 - index_include.jsp
 - index_page_err.jsp
 - index_page.jsp
 - index_taglib.jsp

- Servers

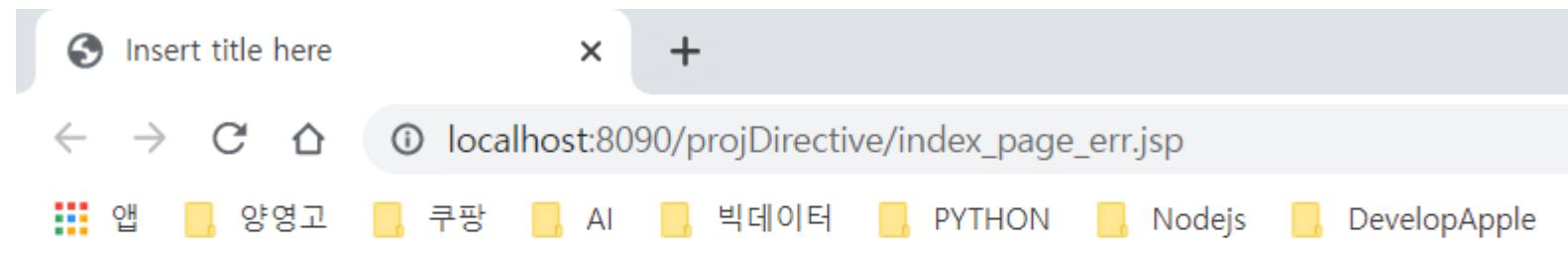
Code Editors:

error_500.jsp:

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" %>
2
3
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <meta charset="UTF-8">
8 <title>Insert title here</title>
9 </head>
10 <body>
11
12 <%@ page isErrorPage="true" %>
13
14 <h3>
15     The 500번 오류는:
16     <%= exception.toString() %>
17 </h3>
18 </body>
19 </html>
```

index_page_err.jsp:

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" %>
2
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="UTF-8">
7 <title>Insert title here</title>
8 </head>
9 <body>
10
11 <!-- 0으로 나누어서 연산오류 발생
12         오류실행은 Chrome 브라우저에서 확인할 수 있다 -->
13
14 <div>
15     <%@ page errorPage="err/error_500.jsp" %>
16
17     <%= 100/0 %>
18 </div>
19
20 </body>
21 </html>
```



The 500번 오류 is: **java.lang.ArithmetricException: / by zero**

B. <%@ include file = "포함할파일명" %>

The screenshot shows a Java Development Environment (IDE) interface with the Project Explorer on the left and two code editors on the right.

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 - index_page_err.jsp
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 - index_taglib.jsp

Code Editors:

header.jsp

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" %>
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <meta charset="UTF-8">
6 <title>Insert title here</title>
7 </head>
8 <body>
9 <h1 style="background-color:Orange;">
10 여기는 페이지 상단입니다 --- header.jsp</h1>
11 </body>
12 </html>
```

footer.jsp

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" %>
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <meta charset="UTF-8">
6 <title>Insert title here</title>
7 </head>
8 <body>
9 <h2 style="background-color:DodgerBlue;">
10 여기는 페이지 하단입니다 ... footer.jsp</h2>
11 </body>
12 </html>
```

Project Explorer

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- Servers

Insert title here

http://localhost:8090/projDirective/index_include.jsp

여기는 페이지 상단입니다 --- header.jsp

본문 페이지입니다.



여기는 페이지 하단입니다 ... footer.jsp

*index_include.jsp

```
1 <%@ page language="java" contentType="text/html;
2      pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="UTF-8">
7 <title>Insert title here</title>
8 </head>
9 <body>
10
11    <%@ include file=".//view/header.jsp" %>
12
13    <h2>본문 페이지입니다.</h2>
14    
16
17    <%@ include file=".//view/footer.jsp" %>
18
19 </body>
20 </html>
```

C. <%@ taglib %>

JSTL 사용을위해 다운받기

<https://mvnrepository.com> ▾

[Maven Repository: Search/Browse/Explore](#)

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All rights reserved. Web site developed by @frodriguez

Repository

-  Central 84
-  Sonatype 18
-  Spring Lib M 14
-  Spring Plugins 11
-  Redhat GA 8
-  Mulesoft 7
-  IBiblio 5
-  Apache Releases 4

Group

-  com.github 14
-  org.apache 10
-  javax.servlet 8
-  org.glassfish 7

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1. JSTL

[javax.servlet.jsp.jstl](#) » jstl

8 usage

[GPL](#) [CDD](#)

JSTL

Last Release on May 14, 2015



2. JSTL

[javax.servlet](#) » jstl

1,842 usage

[GPL](#) [CDD](#)

JSTL

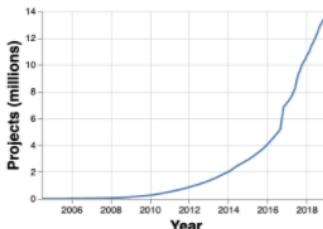
Last Release on Jun 23, 2011



JSTL

270 usage

Indexed Artifacts (26.2M)



Popular Categories

- Aspect Oriented
- Actor Frameworks
- Application Metrics
- Build Tools
- Bytecode Libraries
- Command Line Parsers
- Cache Implementations
- Cloud Computing
- Code Analyzers
- Collections
- Configuration Libraries
- Core Utilities
- Date and Time Utilities
- Dependency Injection

Home » javax.servlet » jstl



JSTL

JSTL

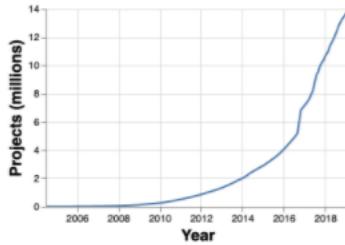
License	CDDL GPL 2.0
Categories	Java Specifications
Tags	javax servlet specs standard
Used By	1,842 artifacts

Note: This artifact was moved to:

[javax.servlet.jsp.jstl » jstl](#)

Central (11)

Version	Vulnerabilities	Repository	Usages	Date
1.2.x	1.2	Central	1,392	Jun, 2011
	1.1.2	Central	400	Nov, 2005
1.1.x	1.1.1	Central	10	Nov, 2005
	1.1.0	Central	30	Nov, 2005

Indexed Artifacts (26.2M)**Popular Categories**

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[Home](#) » [javax.servlet](#) » [jstl](#) » [1.2](#)**JSTL » 1.2**

JSTL

License	CDDL GPL 2.0
Categories	Java Specifications
Date	(Jun 23, 2011)
Files	pom (356 bytes) jar (404 KB) View All
Repositories	Central EBIPublic OneBusAway Pub Redhat GA WSO2 Dist
Used By	1,842 artifacts

[Maven](#) [Gradle](#) [Gradle \(Short\)](#) [Gradle \(Kotlin\)](#) [SBT](#) [Ivy](#) [Graal](#) [Leiningen](#) [Buildr](#)

```
<!-- https://mvnrepository.com/artifact/javax.servlet/jstl -->
<dependency>
    <groupId>javax.servlet</groupId>
    <artifactId>jstl</artifactId>
    <version>1.2</version>
</dependency>
```

 [Include comment with link to declaration](#)

Project Explorer

projDirective

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- Libraries

JavaScript Resources

build

WebContent

- err
- error_500.jsp
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 - pic.jpg

META-INF

view

- footer.jsp
- header.jsp

WEB-INF

- lib

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index_include.jsp

index_page_err.jsp

index_page.jsp

index_taglib.jsp

Servers

Insert title here

/e/index_taglib.jsp

jstl을 이용한 기본 출력

변수cVal에 저장된값:

I love you~!!!

index_taglib.jsp

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="UTF-8">
7 <title>Insert title here</title>
8 </head>
9 <body>
10
11 <div>
12     
14     <%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix = "c"%>
15
16     <p>
17         <c:out value="jstl을 이용한 기본 출력"/>
18     </p>
19
20     <p>
21         <c:set var="cVal" value="I Love you~!!!"></c:set>
22         변수cVal에 저장된값: <h3 style="color:orange;">${cVal}</h3>
23     </p>
24 </div>
25
26 </body>
27 </html>
```