

## 17\_JSP 태그 개요

### 주제

- JSP Tags란?
- 유스케이스 샘플
- 이점

### JSP Tags



### 문제점

고객으로부터 온 이메일: JSP 페이지에 날씨 보고서를 포함하길 원함



옵션 1: 스크립틀릿(scriptlets) 사용

- 비즈니스코드와 프리젠테이션 코드 섞임
- 재사용 불가

<%

```
// 원격 날씨 서비스 접속
// 날씨 요청 서밋
// 날씨 결과 받아오기
// 수신 데이터 파싱: xml or json
// JSP 페이지에 출력
```

%>

### Option 2: JSP Custom Tags

Best Practice

- Move heavy business logic into supporting class
- Insert JSP custom tag to use supporting class

prefix    태그이름    전달속성명  
<demo:weatherReport city="Philadelphia" />



Supporting Java Class

이점: 베스트 프랙티스

JSP내 Scriptlet 코드양 최소화

JSP내 많은 코드 라인 덤프 방지

심플한 JSP 페이지: JSP를 프리젠테이션에 집중

태그의 재활용성

## JSP Standard Tag Library (JSTL)

- Oracle created a Specification for standard tags



## Resources

Name	Website
JSP Custom Tags Tutorial	<a href="http://www.luv2code.com/tagtutorial">www.luv2code.com/tagtutorial</a>
JSTL Tutorial	<a href="http://www.luv2code.com/jstltutorial">www.luv2code.com/jstltutorial</a>
JSTL web site	<a href="http://jstl.java.net">http://jstl.java.net</a>

실습

## 18\_jstl 1

### JSTL Core Tag - <forEach>

#### Core Tags - Part 1

Tag	Description
catch	catches any throwable to occurs in the boy
choose	conditional tag that can be used for exclusive operations, similar to switch statement
if	simple if/then conditional
import	retrieves a URL and exposes its contents on the page or a variable

#### Core Tags - Part 2

Tag	Description
forEach	Iterates over a collection of values
forEachTokens	Iterates over a collection of tokens
out	Used in scriptlets to display output, similar to <%= ... %>

#### Core Tags - Part 3

Tag	Description
otherwise	Used with the <choose> tag to handle the else clause
param	Adds a parameter to a URL
redirect	Redirects the browser to a new URL
remove	Removes a scoped variable
set	Assigns an expression value to a variable
url	Defines a URL with query parameters
when	Used with the <choose> tag, when a condition is true

### JSP Core Taglib Reference

- Every page that uses the Core tags must include this reference:

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

```
<%  
// just create some sample data ... normally provided by MVC  
String[] cities = {"Mumbai", "Singapore", "Philadelphia"};  
  
pageContext.setAttribute("myCities", cities);  
%>  
  
<body>  
  
  <c:forEach var="tempCity" items="${myCities}">  
    ${tempCity} <br/>  
  </c:forEach>  
  
</body>
```

Mumbai  
Singapore  
Philadelphia

## 실습

### 19\_jstl 3

#### New Example

First Name	Last Name	Gold Customer
John	Doe	false
Maxwell	Johnson	false
Mary	Public	true

#### List of Student Objects

**Student**  
firstName : String  
lastName : String  
goldCustomer : boolean

Student	Student	Student	• • • • •
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## 실습

### 20\_jstl-if

#### Conditional Tests

The **<c:if>** tag evaluates an expression and displays its body content only if the expression evaluates to true

#### Code Example

- Display **Special Discount** if student is a gold customer

```
<c:if test="${tempStudent.goldCustomer}">  
  Special Discount  
</c:if>
```

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## 실습

### 21\_jstl-choose

#### Conditional Tests

The **<c:choose>** tag is similar to a **switch** statement

#### Code Example

```
<c:choose>  
  <c:when test="${tempStudent.goldCustomer}">  
    Special Discount  
  </c:when>  
  <c:otherwise>
```

</c:otherwise>

</c:choose>