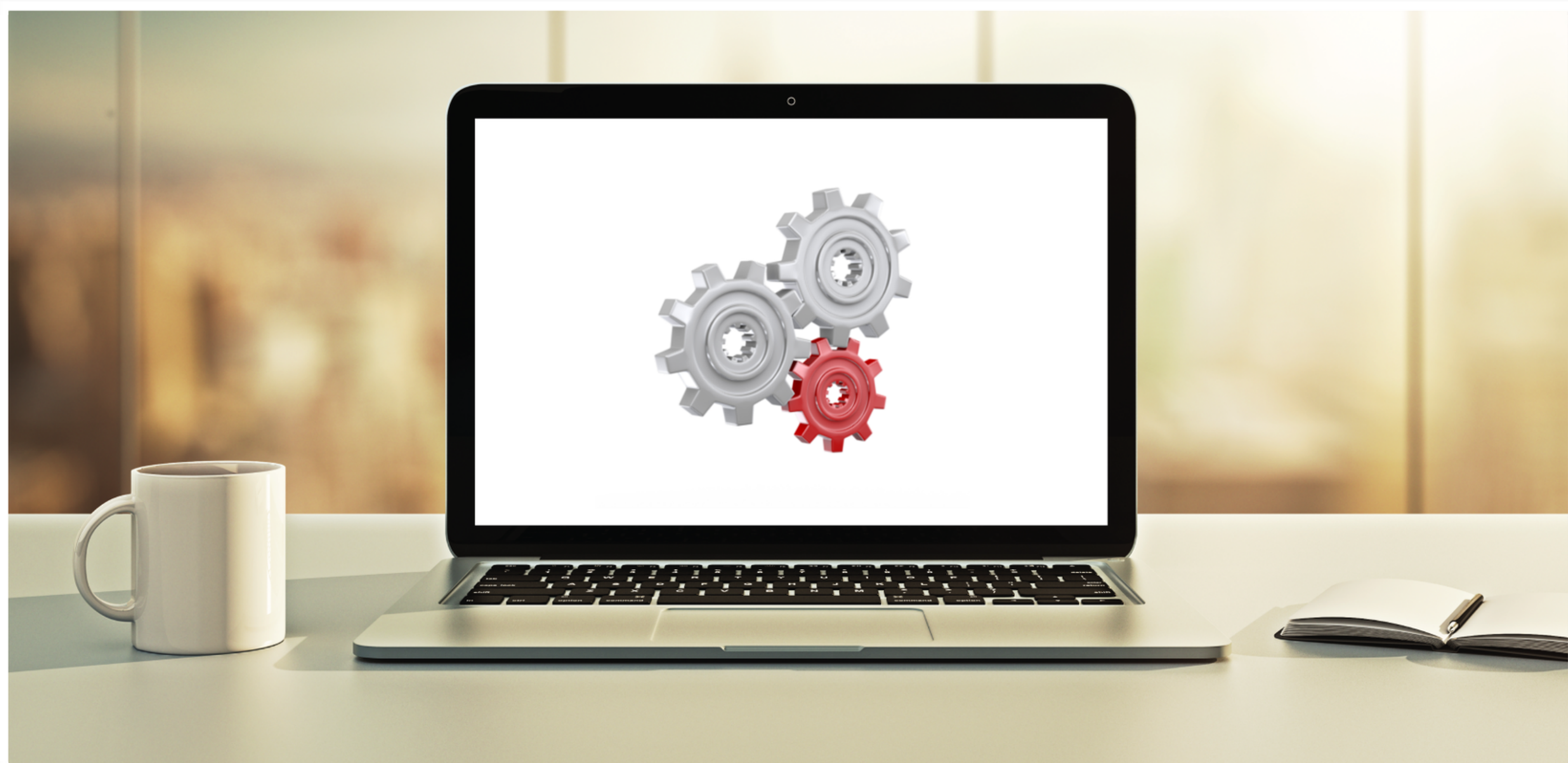


# JSP Tags





# Topics

- What are JSP Tags?
- Sample Use Case
- Benefits



# JSP Tags

**JSP Custom Tags**

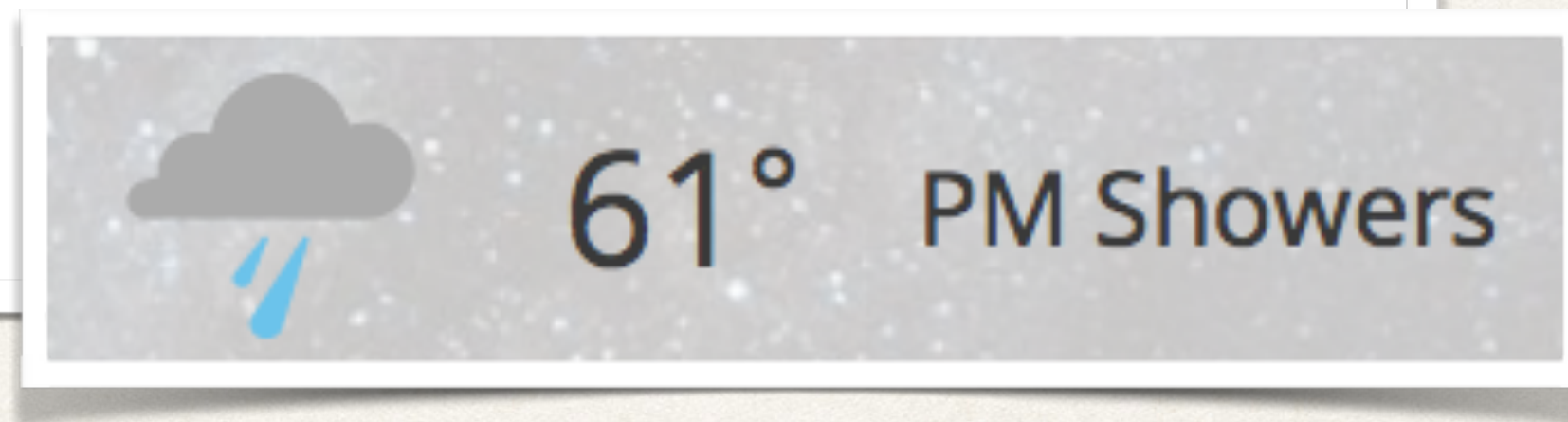
**JSP Standard Tag Library  
(JSTL)**



# Problem

- Email from: The Boss

**We want to include a weather report  
in our JSP pages.**





# Option 1: Use Scriptlets

<%

// connect to remote weather service

// submit our weather request

// receive weather results

// parse the data: xml or json???

// display output in JSP page

%>

## Bad Practice

- Mix business code with presentation code
- Not reusable

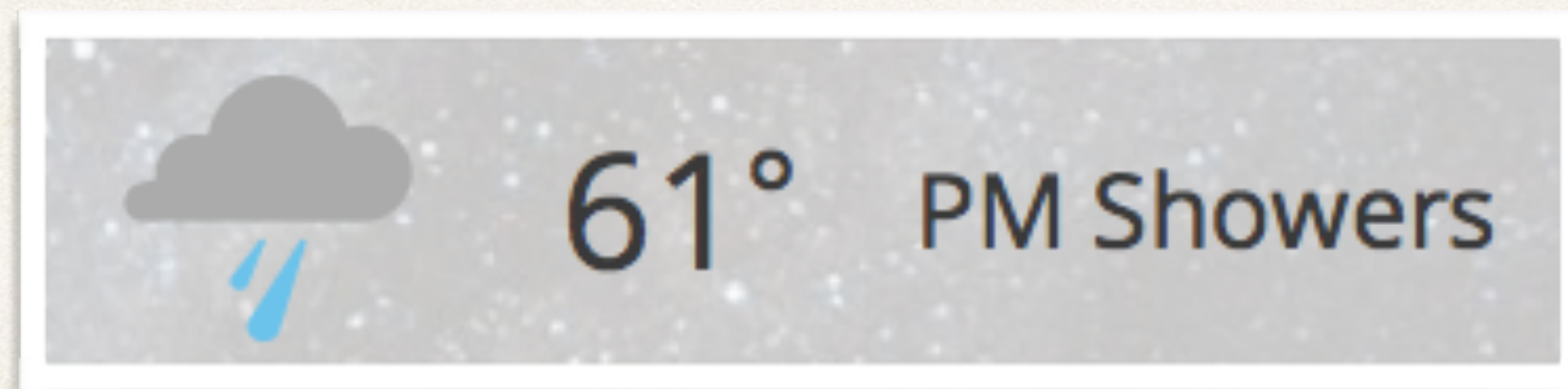


# Option 2: JSP Custom Tags

Best  
Practice

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

```
<demo:weatherReport city="Philadelphia" />
```



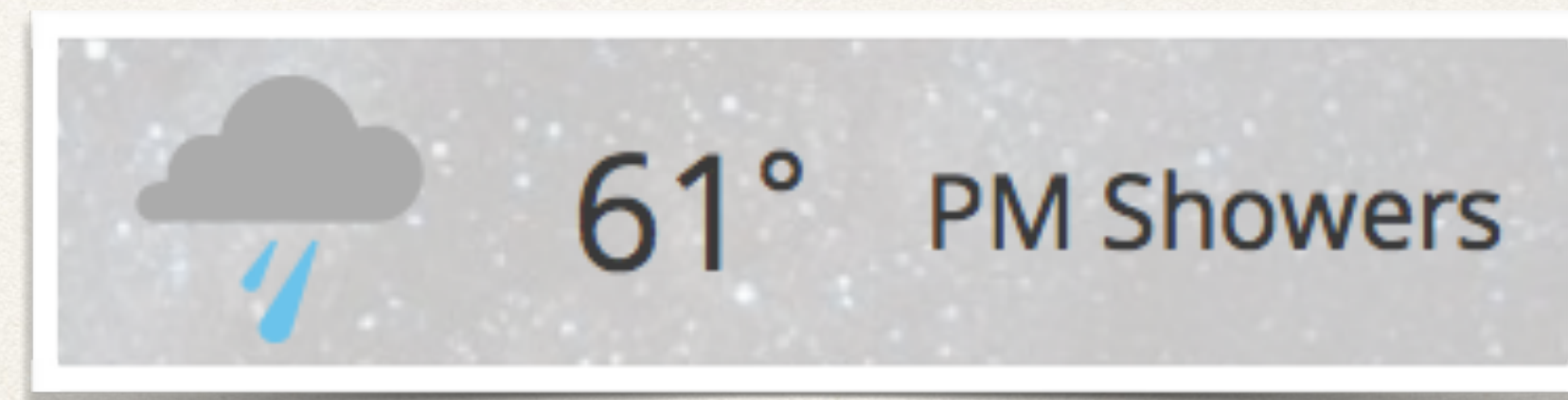
Supporting  
Java Class



# Benefits of JSP Custom Tags

Best  
Practice

- Minimize the amount of scriptlet code in a JSP
- Avoids dumping thousands of lines of code in a JSP
- JSP page is simple ... main focus of JSP is only the presentation
- Tag is reusable





# JSP Standard Tag Library (JSTL)

- Oracle created a Specification for standard tags

**Core**

**Messages  
Formatting  
I18N**

**Functions**

**XML**

**SQL**



# Resources

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



# JSP Tags

