

6-08-2020
Fields of IterationTag interface —

public static int EVAL_BODY_AGAIN — It re-evaluates the body content.

Method of ^{IterationTag} ~~Tag~~ interface —

public int doAfterBody() throws JspException

It is invoked by the JSP page implementation implementation object after the evaluation of the body. If this method returns EVAL_BODY_INCLUDE, body content will be re-evaluated. If it returns SKIP_BODY, no more body content will be evaluated.

TagSupport class — This class is implemented by IterationTag interface. That means TagSupport class implements IterationTag interface.

TagSupport class acts as the base class for new Tag Handlers. It provides some additional methods also.

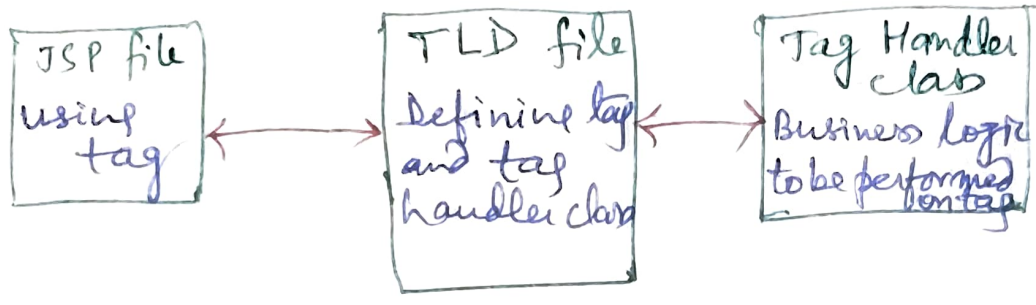
Example of JSP Custom tag: —

• We are going to create a custom tag here to print current date and time.

For that we need to follow following steps: —

1. Create the Tag handler class and perform action at the start or at the end of the tag.

2. Create the Tag library Descriptor (TLD) file and define tags used.
3. Create the JSP file that uses the custom tag defined by us in the TLD file.



To create the Tag Handler class, we have to inherit `TagSupport` class and override its method `doStartTag()`.

File:- `MyTagHandler.java`

```

package com.jspc.bea;
import java.util.Calendar; import javax.servlet.jsp.JspException;
import javax.servlet.jsp.JspWriter; import javax.servlet.jsp.tagext.TagSupport;
public class MyTagHandler extends TagSupport {
    public int doStartTag() throws JspException {
        JspWriter out = pageContext.getOut();
        try {
            out.print(Calendar.getInstance().getTime());
        } catch(Exception e) { System.out.println(e); }
        return SKIP_BODY;
    }
}
  
```

To create the TLD file, we need to create ^{P-3}
a file having tld extension in WEB-INF folder.

File:- mytags.tld

```
<?xml version="1.0" encoding="ISO-8859-1"?>  
<!DOCTYPE taglib PUBLIC "-//Sun Microsystems,  
Inc.//DTD JSP Tag Library 1.2//EN"  
"http://java.sun.com/j2ee/dtd/web-jsp-taglibrary-1.2-  
dtd">
```

```
<taglib>
```

```
  <tlib-version> 1.0 </tlib-version>
```

```
  <jsp-version> 1.2 </jsp-version>
```

```
  <short-name> Simple </short-name>
```

```
  <uri> http://tomcat.apache.org/example-taglib  
</uri>
```

```
  <tag>
```

```
    <name> today </name>
```

```
    <tag-class> com.ssc.bca.MyTagHandler </tag-class>
```

```
  </tag>
```

```
</taglib>
```

To create JSP file:- index.jsp

```
<%@ taglib uri="WEB-INF/mytags.tld" prefix="m"%>
```

Current-Date and Time is:-

```
<m:today />
```

The output will be: current Date and Time
is :- Thu Aug 06 11:12 AM IST 2020

That's all today