

Directives ----> `<%@page %>`-----> this code gives extra information to page or library

page, include, taglib

Scriptlet----->`<%`

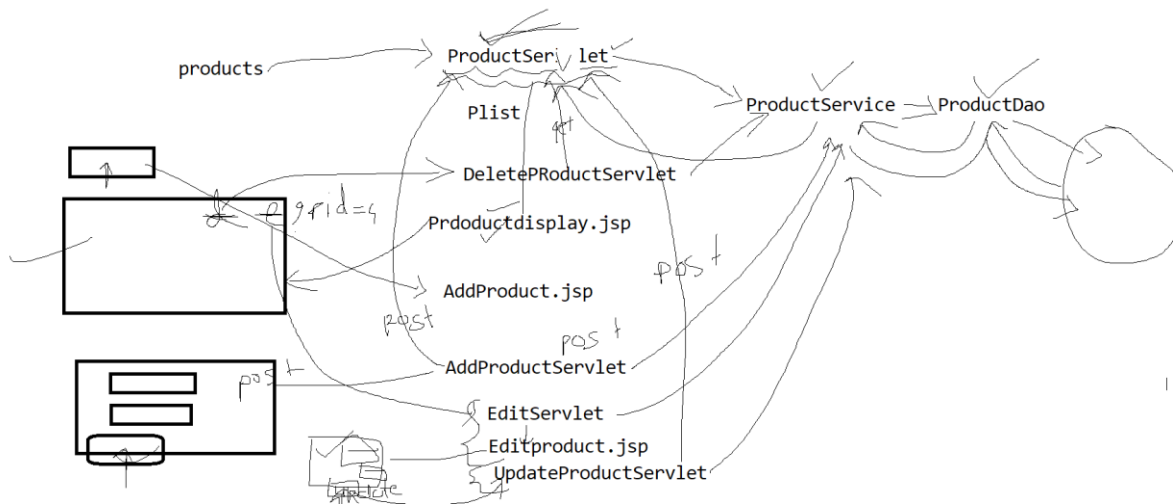
`%>`-----> this code will get added in doGet or doPost

Declarative ----> `<%! %>` ---> this code will get added in servlet class but outside doGet and doPost

expression

`<%= %>` `<%=a%>` `<%out.println(a)%>`

display the data of any variable or any methods return value





Attributes of page directives

language	To specify the language used in the code <code>language="java"</code>
buffer	In JSP there is implicit object out. Out is of JspWriter, JspWriter is same as PrintWriter+buffer, by default size of buffer is 8kb, if you want to change it <code><%@page buffer="20kb"%></code>
import	To add java imports or our package imports <code><%@page buffer="20kb" import="java.util.Date,com.demo.beans.Product"%></code>
session	If you don't want to allow use of session object on the page, then set it to false, otherwise set it to true. By default it is true
Extends	If the jsp page class should be extended by other class then use this
autoflush	<code>autoflush= true</code> , will flush the buffer data to o/p automatically,
errorpage	It is a url of the page which is designed for showing errors
isErrorPage	It is a page which is designed for displaying error message, on this page exception object will be available <code><%@page isErrorPage="true"%></code>
isThreadSafe	If this is set to true then all methods will be synchronized. Otherwise normal methods, by default it is false
contentType	It is used to set the content type, similar to writing <code>response.setContentType("text/html")</code> in servlet But in jsp page use as follows <code><%@page contentType="text/html"%></code>
isELIgnored	Expression language, and if you want to use it on the page and if it is not working, then set it to false

Expression Language

JSP	EL language
<code><%=a%></code>	<code>\${a}</code>
<code><%=p.getPid()%></code>	<code>\${p.pid}</code>
<code><%</code>	<code><c:forEach var=\${p} items=\${plist}></code>

<pre>List<Product> plist=(List<Product>)request.getAttribute("plist"); for(Product p:plist) %></pre>	</c:foreach>

JSP actions

```
<jsp:useBean id="d1" class="com.demo.beans.Product"></jsp:useBean>
```

```
<jsp:setProperty property="pid" value="12"></jsp:setProperty>
```

```
<%
```

```
Product p=new Product();
```

```
p.setPid(12)
```

```
%>
```

JSTL (Java standard tag library)

Java server tag library

The tags are divided into 4 parts

1. Core--- these includes basic core tags

If, foreach, set, out

The prefix is always c

2. Formatting ---includes all formatting tags

Prefix --- fmt

3. XML→ it includes the tags required for XML, prefix x or c

4. Sql library---→ it includes all jdbc related tags its prfix is sql

