

7-7-2020

# JSP taglib directive

The JSP taglib directive is used to define a tag library that defines many tags. We use the TLD file to define the tags. In the custom tag section we will use this tag so it will be better to learn it in following way —

```
<%@ taglib uri = "url of the library" prefix =
    "prefix of tag library"%>
```

eg :-

```
<html>
  <body>
    <%@ taglib uri = "http://www.google.co.in"
      prefix = "mytags" %>
    <mytag:currentDate />
  </body>
</html>
```

# Exception Handling in JSP :-

Exception is an object that is normally thrown at run-time. Exception can be handled in JSP pages by using two different ways -

- ① By errorPage and isErrorPage attributes of page directive.
- ② By `<errorPage>` element in web.xml file

## Examples:- ①

→ There are three files involved :-

- index.jsp - input values by user
- process.jsp - operating & displaying result
- error.jsp - handling exception.

### index.jsp

```

<form action="process.jsp">
Enter Number 1 <input type="text" name="n1">
<br>
Enter Number 2 <input type="text" name="n2">
<br>
<input type="submit" value="divide"/>
</form>

```

### process.jsp

```

<%@ page errorPage="error.jsp" %>
<% String num1 = request.getParameter("n1");
String num2 = request.getParameter("n2");

```

```

int a = Integer.parseInt(num1);
int b = Integer.parseInt(num2);
int c = a/b;
out.print("Division of Numbers Result: "+c);
%>

```

error.jsp

```

<% @ page isErrorPage = "true" %>
<h3> Exception occurs </h3>
Exception type is :
<% = exception %>

```

Run this application; Enter any two numbers  
You can see the Normal output.

Second time - again enter as :-

First Number

Second Number

You will click

Then you will get the exception page as output.

In Next class - we will see 2nd type example.