

6.JSP Scripting Elements



IICON of JAVA1
(Sun certified & Realtime Expert)
Ex. HCL Employee

Trained Lakhs of Students for last 14 years across INDIA

India's No.1 Software Training Institute

8096969696 www.durgasoft.com Ph: 9246212143

JSP Scripting Elements

The main purpose of **Jsp Scripting Elements** is to allow java code directly into the present Jsp pages.

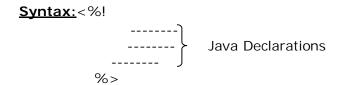
There are 3 types of Scripting Elements.

- 1. Declarations
- 2. Scriptlets
- 3. Expressions



1. Declarations:

It can be used to provide all the java declarations like variable declarations, method definitions, classes declaration and so on.



DURGASOFT, # 202,2ndFloor, HUDAMaitrivanam, Ameerpet, Hyderabad - 500038, **2** 040 - 64 51 27 86, 80 96 96 96, 9246212143 | www.durgasoft.com

If we provide any java declarations by using declaration scripting element then that all java declarations will be available to the translated servlet as class level declarations.

2. Scriptlets:

This Scripting Element can be used to provide a block of java code.

<u>Syntax:</u><%
Block of Java code

If we provide any block of java code by using scriptlets then that code will be available to translated servlet inside _jspService(_,_) method.



3. Expressions:

This is scripting element can be used to evaluate the single java expression and display that expression resultant value onto the client browser.

Syntax:<%=Java Expression%>

If we provide any java expression in expression scripting element then that expression will be available to translated servlet inside _JspService(_,_) method as a parameter to out.write() method.

Ex: out.write(Java Expression);

first.jsp:

```
<%@page import="java.util.*"%>
<%!
Date d=null;
String date=null;
%>
<%
d=new Date();
date=d.toString();
%>
<html>
<body bgcolor="lightyellow">
<center><b><font size="6" color="red"><br>
Today Date : <%=date%>
</font></b></center></body>
</html>
```

Translated Servlet:

```
_____
import java.uitl.*;
public final class first_jsp extends HttpJspBase implements JspSourceDependent
  Date d=null:
  String date=null;
public void _jspInit()throws ServletException
  { }
public void _jspDestroy()
public void _jspService(HttpServletRequest req, HttpServletResponse res)throws SE, IOE
  {
     d=new Date():
date=d.toString();
out.write("<html>");
out.write("<body bgcolor='lightyellow'>");
out.write("<center><b><font size='6' color='red'><br><br>");
out.write("Today Date.....");
out.write(date);
out.write("</font></b></center></body></html>");
}
}
```

Jsp Comments:

In Jsp pages, we are able to use the following 3 types of comments.

- 1. XML-Based Comments
- 2. Jsp-Based Comments
- 3. Java-Based Comments inside Scripting Elements

1. XML-Based Comments:



2. Jsp-Based Comments:

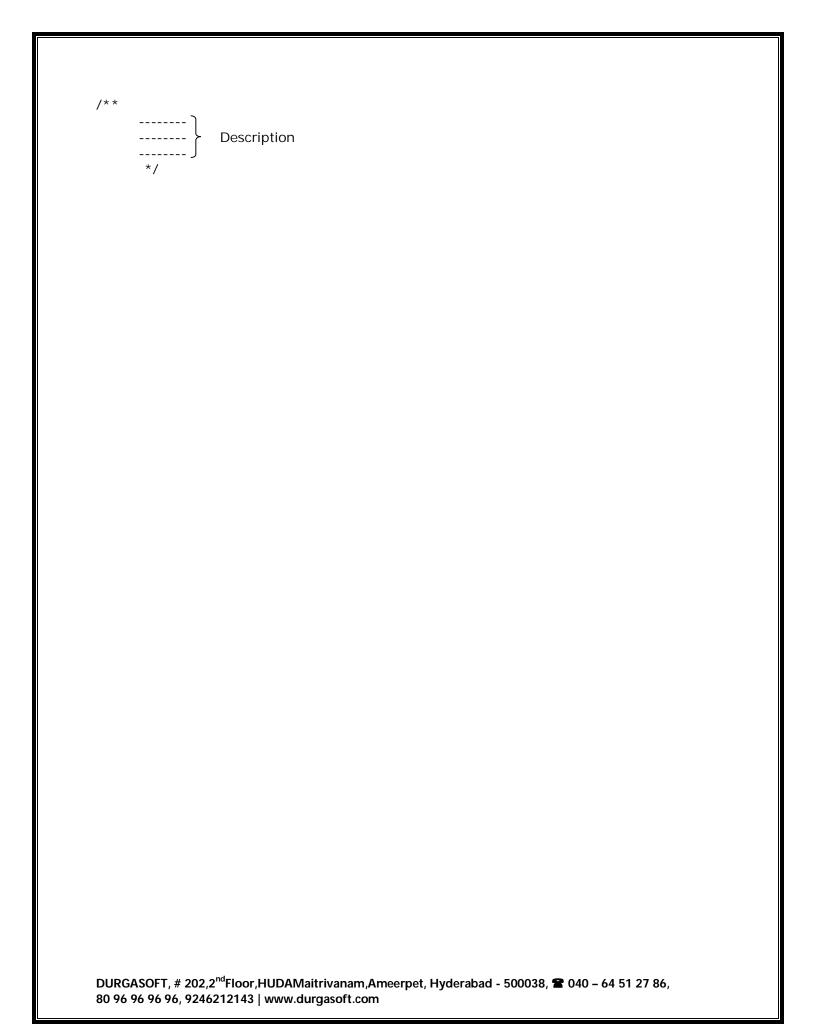
3. Java-Based Comments inside Scripting Elements:

1. Single Line Comment:

2. Multiline Comment:



3. Documentation Comment:



LEARN FROM EXPERTS ... MANUAL + SELENIUM C++, DS, U AN ISO 9001:2008 CERTIFIED # 202, 2nd Floor, HUDA Maitrivanam, Ameerpet, Hyd. Ph: 040-64512786, Software Solutions 9246212143, 8096969696 www.durgasoft.com