

Improving Jsp code Performance

[1] Avoid Html Comment

Soln :-

In Jsp two types of comments are allowed in the Jsp page:

1) Hidden comment: This comment will not appear in the output.

<%-- Hidden comment --%>

2) Output comment: This type of comment will appear in the output.

<!-- Output comment>

If we have to pass the comment inside the directive then there we use a single line comment i.e. //

Ex :- Code of program is like ..

```
<HEAD>
  <TITLE> </TITLE>
</HEAD>
<BODY>
  <font size="6" color="#000080">JSP Comments</font><br>
    <%
// System.out.println
  ("This is Single line comment inside scriptlet tags");
  /*
System.out.println
  ("This is multiline comment inside scriptlet tags");
System.out.println
  ("This is multiline comment inside scriptlet tags");
System.out.println
  ("This is multiline comment inside scriptlet tags");
  */
    %>
```

Advantage :-

- Jsp comments do not increase the size of the file,
- The jsp comment don't appear in the output produced by the jsp page when it runs.

Note :

- Keep space after starting & before ending tags Otherwise it displays **white space** bug.

[2] Long JavaScript

Soln :-

If your code having more then 4 lines of java script then It is advisable to make appropriate function in .js file.

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[3] Attribute Required

Soln :-

- Use attribute type="text/javascript" in script tag. No need of use language = "javascript".

Ex :-

```
<SCRIPT type="text/javascript">
...some JavaScript...
</SCRIPT>
```

- Use attribute alt="some text" in img tag. It helps if any image is not present on specified path then it will display given name in alt attribute.

The required alt attribute specifies an alternate text for an image, if the image cannot be displayed.

Ex :-

```
<html>
<body>



</body>
</html>
```

[4] Element Illegal

Avoid use of center & font tag. Manage it with other tags attribute or from CSS.

[5] Double Quotes

Use double quote (") to write attribute values of any tag of html.

Also use tag name & attribute name in small letters as per W3C standard.

[6] Inline Style

Do not use <style type="text/css">....</style>

Instead use
css files.

[7] Multiple Page Directive

Do not write <%@page contentType="text/html"%>
 <%@page pageEncoding="UTF-8"%>

Instead of two lines write one line only.

```
<%@ page contentType="text/html" pageEncoding="UTF-8" %>
```

Note : Keep space after starting & before ending tags Otherwise it displays **white space** bug.

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[8] Maximum Line Length

we have default set **180 character per line** in jsp.

Do not write any line in which char > 180 otherwise it will give you Bug.

[9] Scriptlets

A scriptlet contains Java code that is executed every time the JSP is invoked.

By itself a scriptlet does not generate HTML

[10] Library Dependency Check

Avoid to use of certain libraries which are not allowed.

Ex :-

```
java.sql  
javax.sql
```