

Java Server Pages (JSP)

Lesson 05: Writing Java Server Page

Lesson Objectives



In this lesson, you will learn:

- Developing a Simple Java Server Page





Minimum Steps for developing JSP

Following steps have to be followed for developing JSP:

- Write the JSP file.
- Deploy the JSP file and any associated files in the web server.
- Invoke the JSP file from the browser.



1.1: Developing a Simple Java Server Page

JSP Example (Only HTML)

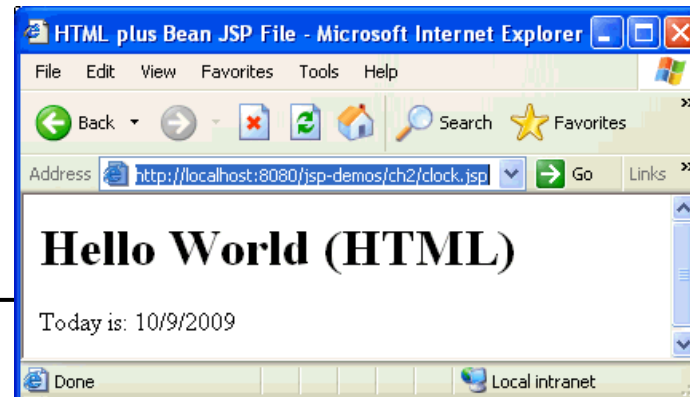
```
<html>  
<head>  
<title> HTML – only JSP File </title>  
</head>  
<body>  
<h1> Hello World (HTML)</h1>  
</body>  
</html>
```





JSP Example (HTML+component-centric tags)

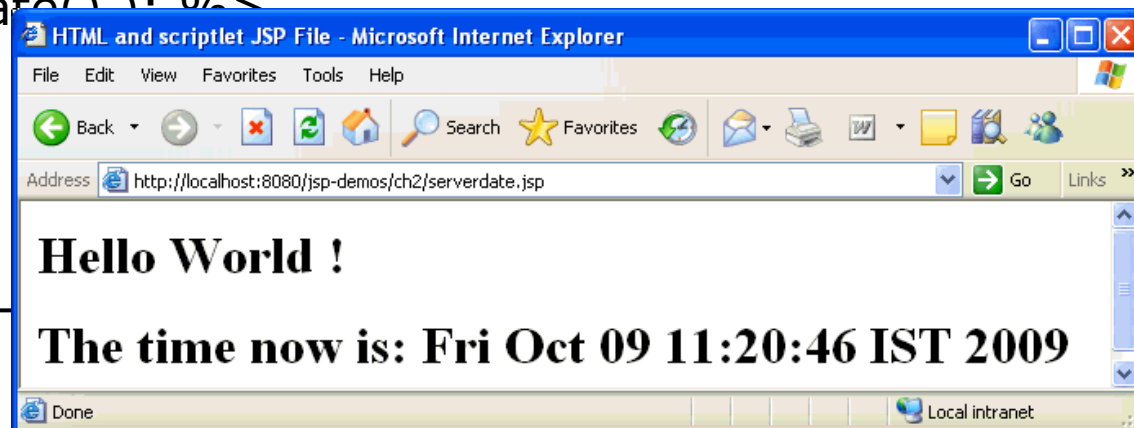
```
<html>
<head> <title>HTML plus Bean JSP File</title> </head>
<jsp:useBean id="clock" scope="page"
class="beans.JspCalendar" type="beans.JspCalendar" />
<body>
<h1>Hello World (HTML)</h1>
<p>Today is: <jsp:getProperty name="clock"
property="date"/> </p>
</body>
</html>
```





JSP Example (HTML + script-centric tags)

```
<html>
<head>
<title>HTML and scriptlet JSP File</title>
</head>
<body>
<h1>Hello World !
<p> <% out.println ("The time now is : " + new
java.util.Date() ); %>
</h1>
</body>
</html>
```

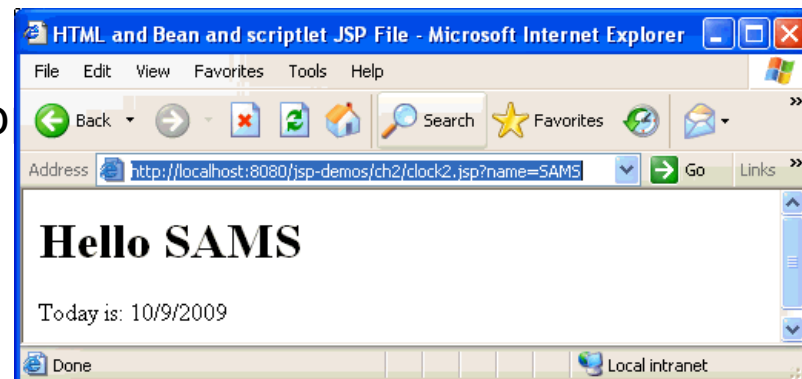


1.1: Developing a Simple Java Server Page

JSP Example (ALL tags)



```
<html>
<head> <title> HTML and Bean and scriptlet JSP File
</title> </head>
<jsp:useBean id="clock" scope="page"
class="beans.JspCalendar" />
<body>
<h1> <% if (request.getParameter ("name") == null) {
        out.println ("Hello World");} else {
        out.println ("Hello " + request.getParameter("name"));
    } %> </h1>
<p>Today is: <jsp:getPro
property="date"/> </p>
</body>
</html>
```





Demo: Developing and Executing Simple JSPs

Demo on:

- onlyHtml.jsp
- onlyJsp.jsp
- jspWithHtml.jsp
- serverdate.jsp
- javaCode1.jsp
- javaCode2.jsp



Summary



In this lesson, you have learnt:

- Developing a Java Server Page



Review – Questions



Question 1: A JSP page can consist of HTML, ____, and ____ centric tags.

Question 2: JSP pages should be placed under ____ directory of the web application.

