Java Server Pages (JSP)

Lesson 05: Writing Java Server

Page



Lesson Objectives

In this lesson, you will learn:

Developing a Simple Java Server Page



1.1: 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>
                         🚰 HTML-only JSP File - Microsoft Internet Explorer
                         File Edit View Favorites
                                                  🔎 Search 🦙 Favorites 🥝
                         C Back ▼
                                                                     Links >>>
                         Address 🙆 http://localhost:8080/jsp-demos/ch2/helloworld.jsp 🔻 🔁 Go
                         Hello World (HTML)
                                                         Local intranet
                         Done
```

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>
Today is: <jsp:getProperty name="clock"</p>
property="date"/>
                                 🎒 HTML plus Bean JSP File - Microsoft Internet Explorer 🔲 🗖 🗙
</body>
                                  File Edit View Favorites Tools
                                              Search 🌪 Favorites
</html>
                                  Address (a) http://localhost:8080/jsp-demos/ch2/clock.jsp 🔻 🔁 Go Links
                                  Hello World (HTML)
                                  Today is: 10/9/2009
```

Done

Local intranet



1.1: Developing a Simple Java Server Page

JSP Example (HTML + script-centric tags)

```
<html>
<head>
<title>HTML and scriptlet JSP File</title>
</head>
<body>
<h1>Hello World!
<% out.println ("The time now is:" + new</p>
java.util.Dato() \ %
              HTML and scriptlet JSP File - Microsoft Internet Explorer
              File Edit View Favorites Tools Help
</h1>
                          Search 🌟 Favorites 🚱 🔝 🔌 🔟 🔻
</body>
              Go Links "
</html>
              Hello World!
              The time now is: Fri Oct 09 11:20:46 IST 2009
              Done
                                                        National Section 1985 Local Intranet
```



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"));
                            🗿 HTML and Bean and scriptlet JSP File - Microsoft Internet Explorer 📘 🗖 🗅
} %> </h1>
Address Address http://localhost:8080/jsp-demos/ch2/clock2.jsp?name=SAMS
property="date"/> 
                             Hello SAMS
</body>
                             Today is: 10/9/2009
</html>
                                                     Local intranet
```

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.

