

EXPERIMENT-6

AIM: To add JSP to HTML FORM.

JSP technology is used to create web application just like Servlet technology. It can be thought of as an extension to servlet because it provides more functionality than servlet such as expression language, jstl etc.

A JSP page consists of HTML tags and JSP tags. The jsp pages are easier to maintain than servlet because we can separate designing and development. It provides some additional features such as Expression Language, Custom Tag etc.

Advantage of JSP over Servlet

There are many advantages of JSP over servlet. They are as follows:

1) Extension to Servlet

JSP technology is the extension to servlet technology. We can use all the features of servlet in JSP. In addition to, we can use implicit objects, predefined tags, expression language and Custom tags in JSP, that makes JSP development easy.

2) Easy to maintain

JSP can be easily managed because we can easily separate our business logic with presentation logic. In servlet technology, we mix our business logic with the presentation logic.

3) Fast Development: No need to recompile and redeploy

If JSP page is modified, we don't need to recompile and redeploy the project. The servlet code needs to be updated and recompiled if we have to change the look and feel of the application.

4) Less code than Servlet

In JSP, we can use a lot of tags such as action tags, jstl, custom tags etc. that reduces the code. Moreover, we can use EL, implicit objects etc.

Using JSP, you can collect input from users through Webpage forms, present records from a database or another source, and create Webpages dynamically.

JSP tags can be used for a variety of purposes, such as retrieving information from a database or registering user preferences, accessing JavaBeans components, passing control between pages, and sharing information between requests, pages etc.

CODE:

```
<body>
<br>
<form name="SignUpForm" action="Welcome.jsp" method="post" >
<div class=c>
  First name:<br>
  <input type="text" name="firstname"><br><br>
```

```
<!DOCTYPE html>
<%@ page import = "java.io.*,java.util.*" %>
<html>
<head>
<title> Welcome </title>
</head>
<body>
<div style="color:blue; font-size:30px; border-bottom-style: solid; background-image: url('backgrounds/b1.png');height:70px;">
<b></b> Welcome </b>
</div>
<p style="font-size:18px;"><b> <%out.print(request.getParameter("firstname"));%> <%out.print(request.getParameter("lastname"));%></b>, welcome
to <b>Course Portal</b></b></br></br>
The email-id you signed up with is:<b> <%out.print(request.getParameter("email"));%></b></br></br>
Your phone number is: <b> <%out.print(request.getParameter("pno"));%> </b>
</p>
</body>
</html>
```

Sign Up

First name:
Sneha

Last name:
Bahl

Gender:
☐ Male
☒ Female
☐ Other

E-mail Id:
96snehabahl@gmail.com

Password:

Phone no. :
9876543210

Sign Up

