**Practical 5**

**Aim:**

**5.15: JSP JSTL Functions.**Write individual programs to demonstrate the use of following action tags. <jsp:forward>, <jsp:include>, <jsp:usebean>

**Description:**

JSP actions use constructs in XML syntax to control the behavior of the servlet engine. You can dynamically insert a file, reuse JavaBeans components, forward the user to another page, or generate HTML for the Java plugin.

|  |  |
| --- | --- |
| **Syntax** | **Purpose** |
| jsp:include | Includes a file at the time the page is requested |
| jsp:useBean | Finds or instantiates a JavaBean |
| jsp:setProperty | Sets the property of a JavaBean |
| jsp:getProperty | Inserts the property of a JavaBean into the output |
| jsp:forward | Forwards the requester to a new page |
| jsp:plugin | Generates browser-specific code that makes an OBJECT or EMBED tag for the Java plugin |
| jsp:element | Defines XML elements dynamically. |
| jsp:attribute | Defines dynamically defined XML element's attribute. |
| jsp:body | Defines dynamically defined XML element's body. |
| jsp:text | Use to write template text in JSP pages and documents. |

**Program code:**

**Usebean.java**

package action**;**

public class usebean **{**

private String message **=** "No message specified"**;**

public String getMessage**()** **{**

**return(**message**);**

**}**

public void setMessage**(**String message**)** **{**

**this.**message **=** message**;**

**}**

**}**

**Usebean1.jsp**

<html>

<head>

<title>**Using JavaBeans in JSP**</title>

</head>

<body>

<center>

<h2>**Using JavaBeans in JSP**</h2>

<h3>**Enrollment no:130050131544**</h3>

<jsp:useBean id="test" class="action.usebean" />

<jsp:setProperty name="test"

property="message"

value="Hello JSP..." />

<p>**Got message....**</p>

<jsp:getProperty name="test" property="message" />

</center>

</body>

</html>

**Forward1.jsp**

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

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=**"Content-Type"** content=**"text/html; charset=UTF-8"**>

<title>**JSP Page**</title>

</head>

<body>

<h3>**Enrollment no:130050131544**</h3>

<p>

**Today's date: <%=** (**new** java.util.Date()).toString()**%>**

</p>

</body>

</html>

**Forward2.jsp**

<html>

<head>

<title>**The include Action Example**</title>

</head>

<body>

<center>

<h2>**The include action Example**</h2>

<jsp:forward page="Forward1.jsp" />

</center>

</body>

</html>

**Include.jsp**

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

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=**"Content-Type"** content=**"text/html; charset=UTF-8"**>

<title>**JSP Page**</title>

</head>

<body>

<h3>**Enrollment no:130050131544**</h3>

<p>

**Today's date: <%=** (**new** java.util.Date()).toString()**%>**

</p>

</body>

</html>

**Include2.jsp**

<html>

<head>

<title>**The include Action Example**</title>

</head>

<body>

<center>

<h2>**The include action Example**</h2>

<jsp:include page="Include1.jsp" flush="true" />

</center>

</body>

</html>

**Output:**

