

Practical No. 12

Objective: Demonstrate the use of JSP actions: forward, include, useBean, setproperty and getproperty.

Theory:

These 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.

There is only one syntax for the Action element, as it conforms to the XML standard –

```
<jsp:action_name attribute = "value" />
```

Source Code:

forward and include:

index.html

```
<!DOCTYPE html>
<html>
    <head>
        <title>TODO supply a title</title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
    </head>
    <body>
        <form action="Home" method="post">
            <h2> Enter your date of birth</h2>
            <h3> Date: <input type="text" name="date" value="" /></h3>
            <input type="submit" value="Submit" />
            <input type="reset" value="Reset" />

        </form>
    </body></html>
```

Home.jsp

```
<%-->
Document : Home
Created on : Feb 19, 2018, 8:24:14 PM
Author : DELL
--%>
```

```
<%@page contentType="text/html" pageEncoding="UTF-8"%> <%@page
import="java.util.Calendar"%> <%@page
import="java.util.GregorianCalendar"%>

<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>JSP
Page</title>
    </head>
    <body>
```

```

<center><h1>Happy Birthday</h1></center><%
Calendar cal=new GregorianCalendar(); int day =
cal.get(Calendar.DAY_OF_MONTH);
%>
<% String date = request.getParameter("date");%> <% int d
= Integer.parseInt(date);%>
<% if(day==d){%>
<jsp:include page="Date.jsp"/>
<%} else {%>
<jsp:forward page="Date.jsp"/>
<%}%>
</body>
</html>

```

Date.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>
<center><h1>Welcome to the Home Page</h1></center> </body>
</html>

```

Output:

useBean, setproperty and getproperty:

newhtml.html

```

<html>
<body>
<form action="values.jsp">
Name:<input type="text" name="sname" value="" /><br>
RollNum:<input type="text" name="rollno" value="" /><br> <input
type="submit" value="Submit" />
</form>
</body>
</html>

```

values.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%> <%@page
import="com.sana.student"%> <!DOCTYPE html>
<html>

```

```

<body>
<% /*student st=new student();
st.setRollno(Integer.parseInt(request.getParameter("rollno")));
st.setName(request.getParameter("sname")); session.setAttribute("stu",st);*/ %>

<jsp:useBean id="stu1" class="com.sana.student" scope="session"></
jsp:useBean>
<jsp:setProperty name="stu1" property="rollno" value='<
%=>Integer.parseInt(request.getParameter("rollno"))%>'>
<jsp:setProperty name="stu1" property="name"
value='<%=>request.getParameter("sname")%>'>
<%
RequestDispatcher rd=request.getRequestDispatcher("display.jsp");
rd.forward(request, response);

%>
</body>
</html>

```

display.jsp

```

<%-->
Document : display
Created on : Feb 19, 2018, 11:02:10 PM
Author : DEll
--%>

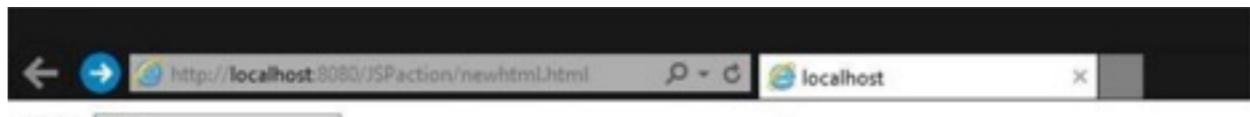
<%@page contentType="text/html" pageEncoding="UTF-8"%> <%@page
import="com.sana.student"%> <!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>JSP
Page</title>
</head>
<body>
<%
/* student st=(student)session.getAttribute("stu");
out.println("Name=" + st.name); out.println("Rollno=" + st.rollno); */

%>
<jsp:useBean id="stu1" class="com.sana.student" scope="session"></
jsp:useBean>

```

```
<jsp:getProperty name="stu1" property="rollno"/>
<jsp:getProperty name="stu1" property="name"/>
</body>
</html>
```

Output:



Result: The given program has been compiled and executed successfully.