



Servlet & JSP Tips

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How to forward from a servlet to a JSP

- Assuming the name of the JSP is "searchResults.jsp", here's the code that will forward from your servlet to that JSP:

```
String nextJSP = "/searchResults.jsp";
RequestDispatcher dispatcher =
    getServletContext().getRequestDispatcher(nextJSP);
dispatcher.forward(request,response);
```

How to forward from a servlet to a servlet

- Assuming the name of the servlet is "searchResultServlet", here's the code that will forward from your servlet to that JSP:

```
String nextServlet = "/searchResultServlet";
RequestDispatcher dispatcher =
getServletContext().getRequestDispatcher(nextServlet);
dispatcher.forward(request,response);
```

Redirecting from a servlet to a JSP

- Assuming the name of the JSP is "login.jsp", here's the code that will redirect from your servlet to that JSP:

```
private String LOGIN_PAGE = "login.jsp";
// other code here ...
response.sendRedirect(LOGIN_PAGE);
```

Redirecting from a JSP

- Assuming the name of the next URL is "http://www.roseindia.net/", here's the code that will redirect from your JSP:

```
<html>
<%
String redirectURL = "http://www.roseindia.net/";
response.sendRedirect(redirectURL);
%>
</html>
```

JavaBean with Servlet and JSP

- Assume we a servlet code looks like:

```
// get the session  
HttpSession session = request.getSession();  
  
// instantiate and set up a java bean  
SomeBean bean = new SomeBean();  
bean.setFirstName("bill");  
bean.setLastName("clinton");  
  
// store bean in the session object  
session.setAttribute("beanRef", bean);
```

JavaBean with Servlet and JSP (con't)

- Now that we have a bean in my session, we can access it in JSP via:

```
<%
    SomeBean bean =
        (SomeBean)session.getAttribute("beanRef");
%>
```

```
First Name: <%= bean.getFirstName() %>
Last Name: <%= bean.getLastName() %>
```

JavaBean with Servlet and JSP (con't)

- Or you can use the JSP API's built-in tags:

```
<jsp:useBean  
    id="beanRef"  
    class="your.package.SomeBean"  
    scope="session" />
```

```
First Name: <jsp:getProperty name="beanRef"  
property="firstName" />
```

JavaBean Using Example

- Create a Javabean called Person:

```
public class Person {  
    private String name;  
    public String getName() { return name; }  
    public void setName(String name) { this.name =  
        name; }  
    private int age;  
    public int getAge() { return age; }  
    public void setAge(int age) { this.age = age; }  
    public Person() {}  
}
```

JavaBean Using Example (2)

- Create a Servlet:

```
public class MyController extends HttpServlet {  
    protected void doGet(HttpServletRequest request,  
                         HttpServletResponse response) throws ServletException,  
                         IOException {  
        Person person = new Person();  
        person.setName("Matthew");  
        person.setAge(24);  
        request.setAttribute("person", person);  
        RequestDispatcher despatch =  
            request.getRequestDispatcher("myTestPage.jsp");  
        despatch.forward(request, response); } }
```

JavaBean Using Example (3)

- Create a JSP:

```
<html>
  <head>
    <title>Example Javabeans, Servlets and JSP</title>
  </head>
  <body>
    <h1>Welcome ${person.name}, you must be
    ${person.age} year(s) old!
    </h1>
  </body>
</html>
```

MVC Tutorial

- Refer example in “*JSP & Servlet - MVC Tutorial*” folder



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13