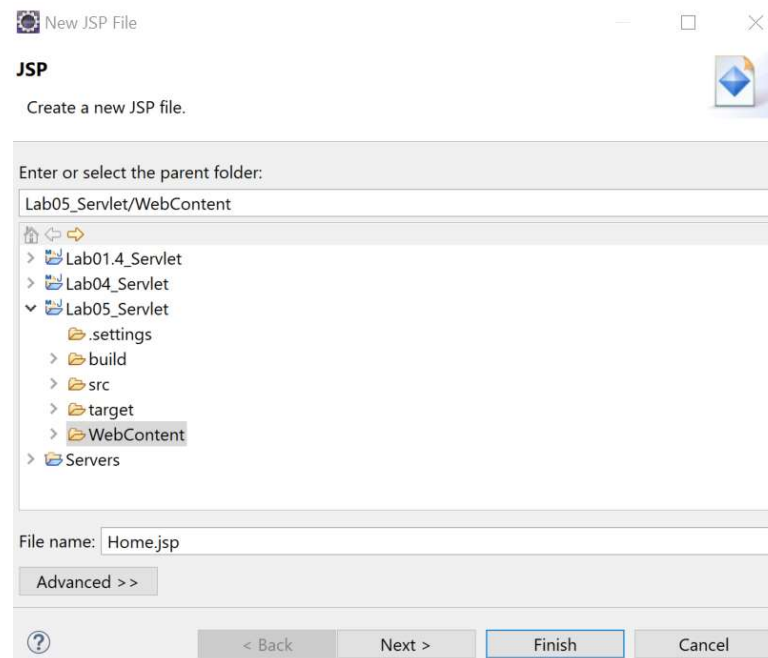


## Lab 5 – Forward and Redirect

### Edit the Lab04\_Servlet project

### Create a JSP page

- Within the Project Explorer, right click on WebContent, select New>JSP
- Within the New JSP file window, enter a File name of “Home.jsp” and select “Finish”



## Lab 5 – Forward and Redirect

Edit the Home.jsp file, read the first\_name and last\_name parameters and output using the <%= %> syntax

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Handling Forward</title>
</head>
<body>
<ul>
<li><b>First Name</b>: <%=request.getParameter("first_name") %></li>
<li><b>Last Name</b>: <%=request.getParameter("last_name") %></li>
</ul>
</body>
</html>
```

## Lab 5 – Forward and Redirect

Edit the Servlet file and modify the doGet method to forward control to the Home.jsp file (which is responsible for the HTML presentation)

```
protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
    RequestDispatcher requestDispatcher =
        request.getRequestDispatcher("Home.jsp");
    requestDispatcher.forward(request, response);
}
```

Run the index.html file on Tomcat

## Lab 1.5 – Forward and Redirect

Confirm that something similar to the following is displayed in an external Web Browser, after the “Click Me” hyperlink is selected in the Web Browser



We can be sure this is our jsp page – note the title has changed to “Handling Forward”

```
...  
<title>Handling Forward</title>  
</head>  
<body>  
<ul>  
<li><b>First Name</b>: <%=request.getParameter("first_name")  
<%=request.getParameter("last_name")>  
</li>  
</ul>  
...
```

## Lab 5 – Forward and Redirect

Edit the Home.jsp file and add a hyperlink to call the Home servlet with a redirect parameter set to “yes”

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Handling Forward</title>
</head>
<body>
<ul>
<li><b>First Name</b>: <%=request.getParameter("first_name") %></li>
<li><b>Last Name</b>: <%=request.getParameter("last_name") %></li>
</ul>
<a href="Home?redirect=yes">Redirect</a>
</body>
</html>
```

## Lab 5 – Forward and Redirect

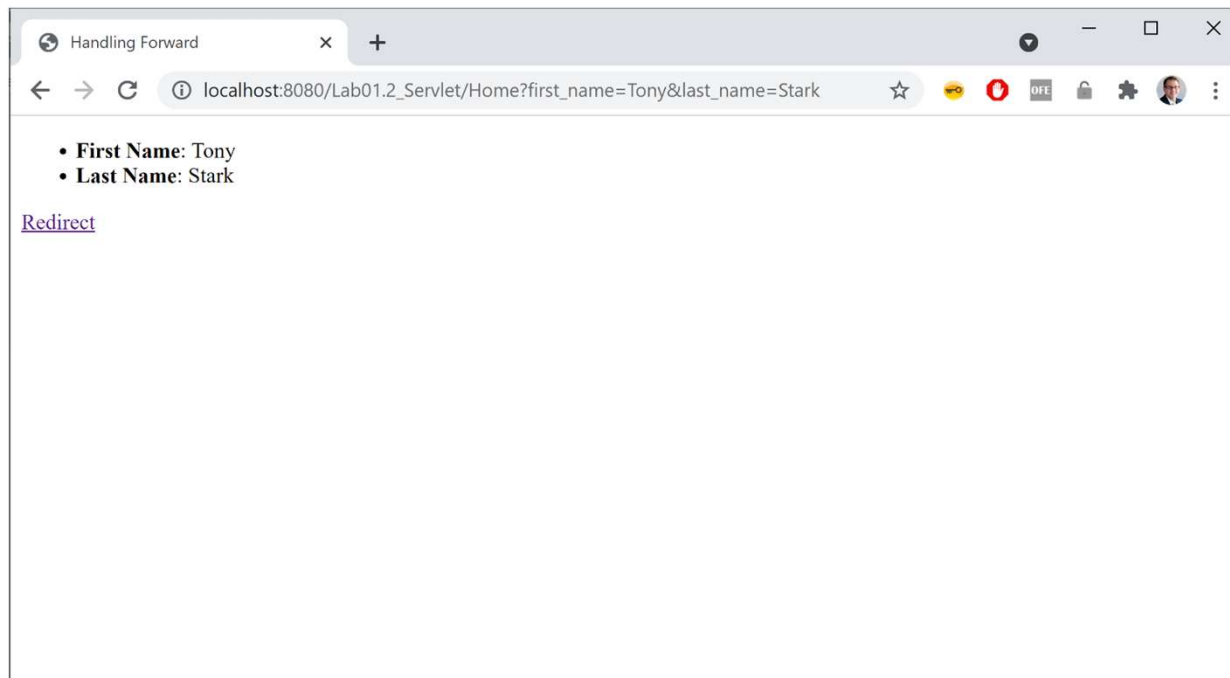
**Edit the Home Servlet file and modify the doGet method to conditionally redirect to the index.html file**

```
protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
    String redirectFlag = request.getParameter("redirect");
    if (redirectFlag != null && redirectFlag.equals("yes")) {
        response.sendRedirect("/Lab01.5_Servlet/index.html");
    }
    else {
        RequestDispatcher requestDispatcher =
            request.getRequestDispatcher("Home.jsp");
        requestDispatcher.forward(request, response);
    }
}
```

**Run the index.html file on Tomcat**

## Lab 5 – Forward and Redirect

Confirm that something similar to the following is displayed in an external Web Browser, after the “Click Me” hyperlink is selected in the Web Browser



Also confirm that clicking the “Redirect” hyperlink redirect to the index.html file

