(simplest possible web app with jsp)

Create a simple servlet that uses JSP files for HTML

1. Create a project named JSPIntroDemo and set index.jsp to

```html
<html>
<head>
   <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
   <title>Test</title>
</head>
<body>
<a href='JSPIntro'>JSPIntroDemo</a>
</body>
</html>
```

2. Create a JSP page named Hello.jsp in the Web directory and initialize it to

```html
<html>
<head>
    <title>Introduction to JSP demo – Hello page</title>
</head>
<body>
<form method='post' action='JSPIntroServlet'>
<input type='submit' name='btnSubmit' value='Click me'/>
</form>
</body>
</html>
```

3. Create a JSP page named PostMessage.jsp and initialize it to

```html
<html>
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title> Introduction to JSP demo – postback page </title>
</head>
<body>
<p>This is the postback message</p>
</body>
</html>
```

4. Create a servlet named JSPIntroServlet. Put it in a package. Add the following code.

```java
protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
{
    RequestDispatcher dispatcher = request.getRequestDispatcher("Hello.jsp");
    dispatcher.forward(request, response);
}
protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
{
    RequestDispatcher dispatcher = request.getRequestDispatcher("PostMessage.jsp");
    dispatcher.forward(request, response);
}
```

5. Complete the web.xml file

6. Configure Tomcat

7. Run it.

8. Insert the following scripting elements after the postback message in PostMessage.jsp. There are questions in the study guide quiz asking how these will appear in the internally generated JSP servlet.

```
<%! int count = 0; %>
The count is now:
<%= ++count %>
<%-- This is a jsp scriptlet that increments the count --%>
<!-- This is an html comment inserted by the increment comment -->
<% count = count * 10; %>
The count is now:
<%= count %>
```

Rerun the application. Try to find the generated _jsp file.