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```html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>Login</title>
6  </head>
7  <body>
8      <h1>Login</h1>
9      <form action="login" method="post">
10         <label for="username">Username:</label>
11         <input type="text" id="username" name="username" required>
12         <br>
13         <label for="password">Password:</label>
14         <input type="password" id="password" name="password" required>
15         <br>
16         <input type="submit" value="Login">
17     </form>
18 </body>
19 </html>
20
```

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```java
2
3  import javax.servlet.ServletException;
4  import javax.servlet.annotation.WebServlet;
5  import javax.servlet.http.HttpServlet;
6  import javax.servlet.http.HttpServletRequest;
7  import javax.servlet.http.HttpServletResponse;
8  import javax.servlet.http.HttpSession;
9  import java.io.IOException;
10
11 @WebServlet("/login")
12 public class LoginServlet extends HttpServlet {
13
14     private static final String USERNAME = "admin";
15     private static final String PASSWORD = "password";
16
17     @Override
18     protected void doPost(HttpServletRequest request, HttpServletResponse response)
19             throws ServletException, IOException {
20         String username = request.getParameter("username");
21         String password = request.getParameter("password");
22
23         if (USERNAME.equals(username) && PASSWORD.equals(password)) {
24             HttpSession session = request.getSession(true);
25             session.setAttribute("username", username);
26             response.sendRedirect("welcome");
27         } else {
28             response.sendRedirect("error.html");
29         }
30     }
```

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Project Explorer

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  - Deployment Descriptor: SESSION
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  - Java Resources
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        - WelcomeServlet.java
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        - WEB-INF
        - error.html
        - login.html
        - welcome.html

Tabs: html.html | *UploadServ... | login.html | LoginServle... | welcome.html × | WelcomeServ... | LogoutServl... | error.html

```html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>Welcome</title>
6  </head>
7  <body>
8      <h1>Welcome!</h1>
9      <p id="message">Loading...</p>
10     <form action="logout" method="post">
11         <input type="submit" value="Logout">
12     </form>
13     <script>
14         // Optionally, use JavaScript to personalize the message
15         document.getElementById('message').innerText = 'Welcome, ' + new URLSearchParams(window.location.
16     </script>
17  </body>
18  </html>
19
```

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Tabs: html.html | *UploadServ... | login.html | LoginServle... | welcome.html | WelcomeServ... × | LogoutServl... | error.html
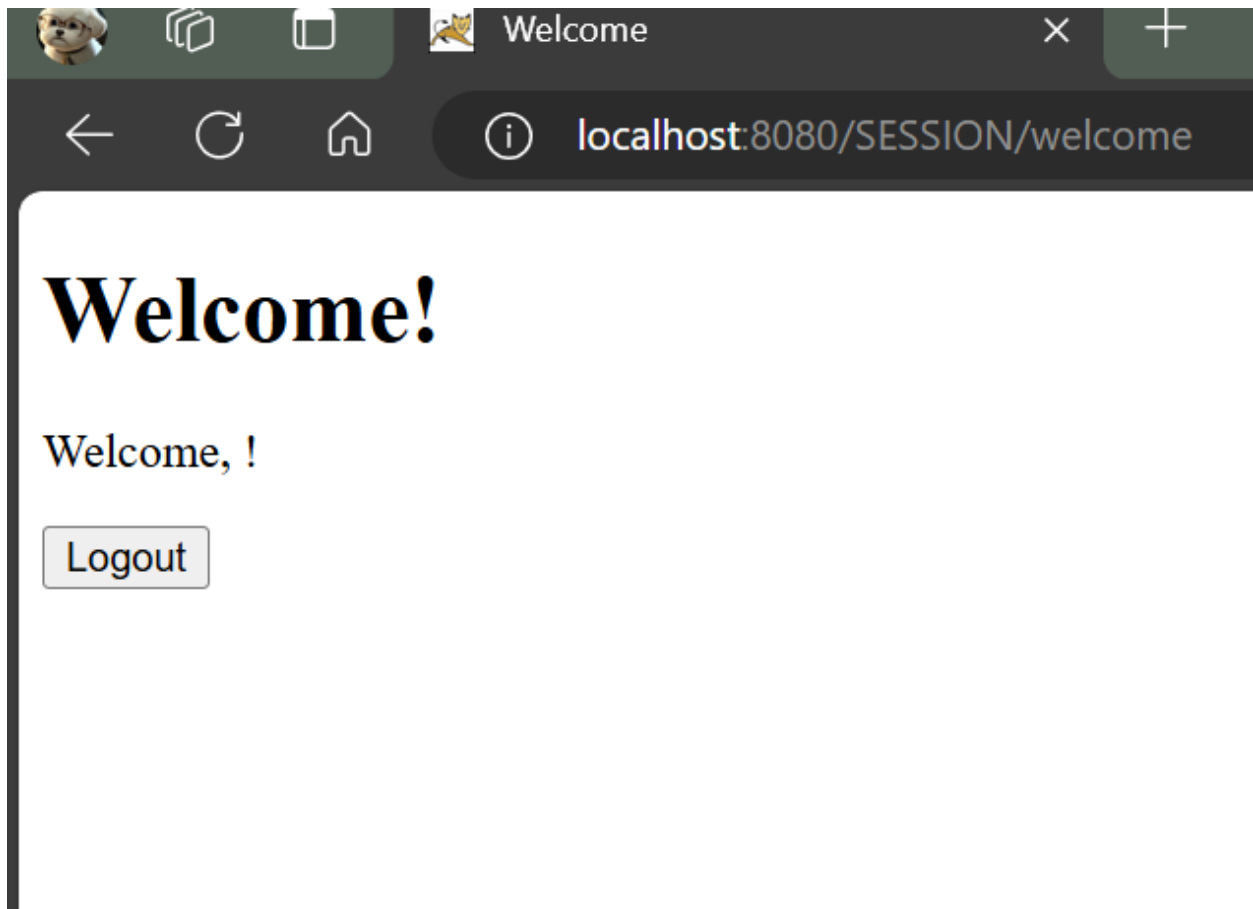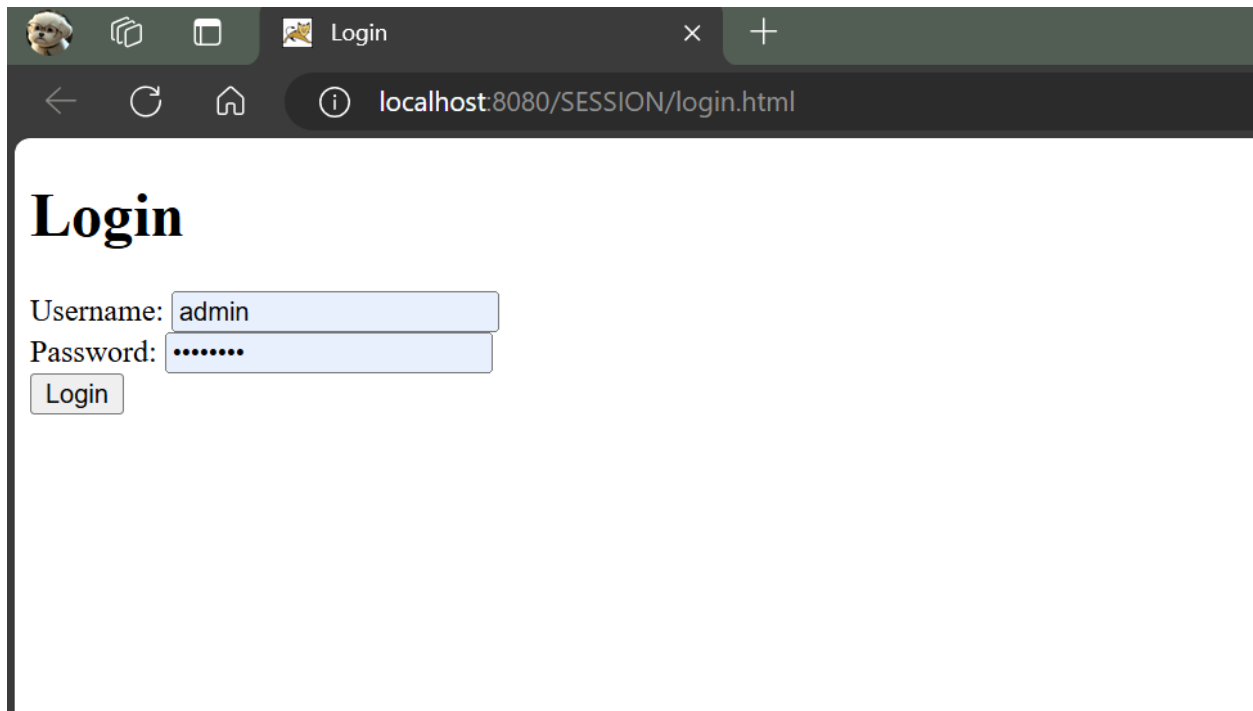
```java
1   package SESSION;
2
3   import javax.servlet.ServletException;
10
11  @WebServlet("/welcome")
12  public class WelcomeServlet extends HttpServlet {
13
14      @Override
15      protected void doGet(HttpServletRequest request, HttpServletResponse response)
16              throws ServletException, IOException {
17          HttpSession session = request.getSession(false);
18          if (session != null && session.getAttribute("username") != null) {
19              request.getRequestDispatcher("welcome.html").forward(request, response);
20          } else {
21              response.sendRedirect("login.html");
22          }
23      }
24  }
25
```

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Login

Username: admin

Password: ••••••••

Login

Welcome!

Welcome, !

Logout

ERROR

localhost:8080/SESSION/login.html

Login

Username: administrator
Password: ••••••••

Login

localhost:8080/SESSION/error.html

Login Failed

Invalid username or password. Please try again.

Go to Login