

10. Write a program to demonstrate Session Login and Logout.

DashboardServlet.java

```
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

@WebServlet("/DashboardServlet")
public class DashboardServlet extends HttpServlet {
    protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        // Retrieve the session
        HttpSession session = request.getSession();

        // Check if the session contains the username attribute
        if (session.getAttribute("username") != null) {
            // Session is active, show the dashboard
            response.setContentType("text/html");
            response.getWriter().println("<h2>Welcome to the
Dashboard</h2>");
            response.getWriter().println("<p>This is your dashboard
content.</p>");
            response.getWriter().println("<a
href='LogoutServlet'>Logout</a>");
        } else {
            // Session is not active, redirect to login page
            response.sendRedirect("login.html");
        }
    }
}
```

LoginServlet.java

```
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

@WebServlet("/LoginServlet")
public class LoginServlet extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        String username = request.getParameter("username");
        String password = request.getParameter("password");

        // Assuming the login logic here (e.g., validating username and
password)

        // Create a session
        HttpSession session = request.getSession();
```

```

        // Set session attributes
        session.setAttribute("username", username);

        // Redirect to the dashboard page
        response.sendRedirect("DashboardServlet");
    }
}

```

LogoutServlet.java

```

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

@WebServlet("/logoutServlet")
public class LogoutServlet extends HttpServlet {
    protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        // Retrieve the session
        HttpSession session = request.getSession();

        // Invalidate the session
        session.invalidate();

        // Redirect to the login page
        response.sendRedirect("login.html");
    }
}

```

login.html

```

<!DOCTYPE html>
<html>
<head>
    <title>Login Page</title>
</head>
<body>
    <h2>Login</h2>
    <form action="LoginServlet" method="post">
        <label for="username">Username:</label>
        <input type="text" id="username" name="username" required><br><br>

        <label for="password">Password:</label>
        <input type="password" id="password" name="password"
required><br><br>

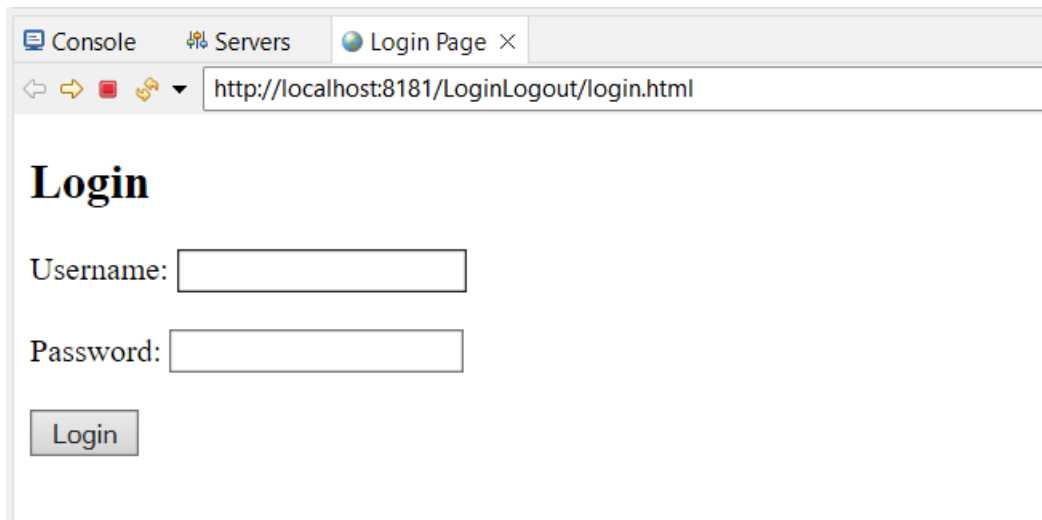
        <input type="submit" value="Login">
    </form>
</body>
</html>

```

web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://java.sun.com/xml/ns/javaee"
xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd" id="WebApp_ID"
version="2.5">
  <display-name>LoginLogout</display-name>
  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
    <welcome-file>index.jsp</welcome-file>
    <welcome-file>index.htm</welcome-file>
    <welcome-file>default.html</welcome-file>
    <welcome-file>default.jsp</welcome-file>
    <welcome-file>default.htm</welcome-file>
  </welcome-file-list>
  <servlet>
    <description></description>
    <display-name>LoginServlet</display-name>
    <servlet-name>LoginServlet</servlet-name>
    <servlet-class>LoginServlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>LoginServlet</servlet-name>
    <url-pattern>/LoginServlet</url-pattern>
  </servlet-mapping>
  <servlet>
    <description></description>
    <display-name>DashboardServlet</display-name>
    <servlet-name>DashboardServlet</servlet-name>
    <servlet-class>DashboardServlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>DashboardServlet</servlet-name>
    <url-pattern>/DashboardServlet</url-pattern>
  </servlet-mapping>
  <servlet>
    <description></description>
    <display-name>LogoutServlet</display-name>
    <servlet-name>LogoutServlet</servlet-name>
    <servlet-class>LogoutServlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>LogoutServlet</servlet-name>
    <url-pattern>/LogoutServlet</url-pattern>
  </servlet-mapping>
</web-app>
```

OUTPUT



A screenshot of a web browser window. The title bar shows 'Console', 'Servers', and 'Login Page ×'. The address bar contains 'http://localhost:8181/LoginLogout/login.html'. The page content includes a heading 'Login', followed by 'Username:' and a text input field, then 'Password:' and another text input field, and finally a 'Login' button.

Console Servers Login Page ×

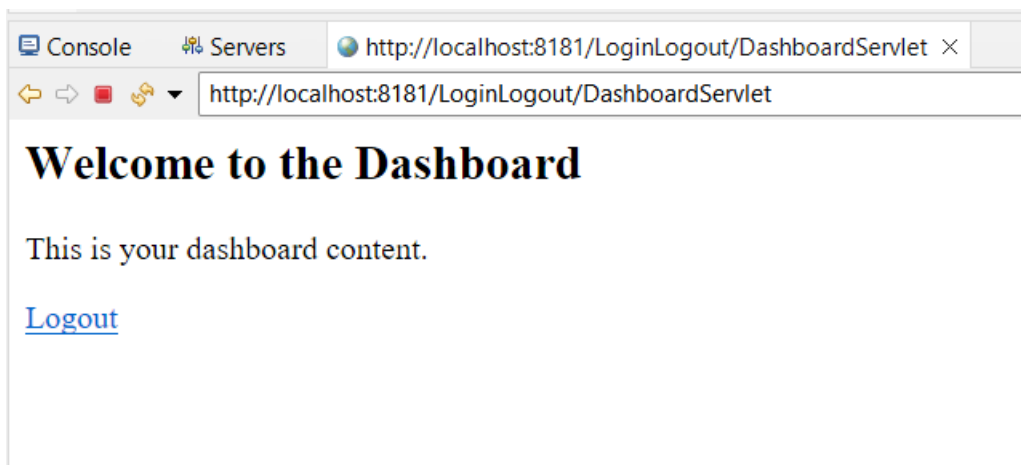
← → ⏏ ↻ http://localhost:8181/LoginLogout/login.html

Login

Username:

Password:

Login



A screenshot of a web browser window. The title bar shows 'Console', 'Servers', and 'http://localhost:8181/LoginLogout/DashboardServlet ×'. The address bar contains 'http://localhost:8181/LoginLogout/DashboardServlet'. The page content includes a heading 'Welcome to the Dashboard', followed by the text 'This is your dashboard content.', and a blue underlined link 'Logout'.

Console Servers http://localhost:8181/LoginLogout/DashboardServlet ×

← → ⏏ ↻ http://localhost:8181/LoginLogout/DashboardServlet

Welcome to the Dashboard

This is your dashboard content.

[Logout](#)