

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

Html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<h1>Login</h1>
<form action="LoginServlet" method="post">
<label for="username">Username:</label>
<input type="text" id="username" name="username"
required><br>
<label for="password">Password:</label>
<input type="password" id="password" name="password"
required><br>
<button type="submit">Login</button>
</form>
</body>
</html>
```

Servlet program

```
package AssistedPractice;

import java.io.IOException;
import java.io.PrintWriter;
import jakarta.servlet.ServletException;
import jakarta.servlet.annotation.WebServlet;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import jakarta.servlet.http.HttpSession;
@WebServlet("/LoginServlet")
public class LoginServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;
    protected void doPost(HttpServletRequest request,
        HttpServletResponse
        response)
        throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        String username = request.getParameter("username");
        String password = request.getParameter("password");
        // Check if username and password are valid (dummy
        validation)
```

```

if (username.equals("admin") && password.equals("password"))
{
// Create a session and store the username as an attribute
HttpSession session = request.getSession();
session.setAttribute("username", username);
out.println("<h2>Login successful!</h2>");
out.println("<p>Welcome, " + username + "!</p>");
out.println("<p><a href='LogoutServlet'>Logout</a></p>");
} else {
out.println("<h2>Login failed!</h2>");
out.println("<p>Invalid username or password.</p>");
}
out.close();
}
}

```

```

web.xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
  xmlns="https://jakarta.ee/xml/ns/jakartaee"
  xsi:schemaLocation="https://jakarta.ee/xml/ns/jakartaee
https://jakarta.ee/xml/ns/jakartaee/web-app_6_0.xsd"
  id="WebApp_ID" version="6.0">

<display-name>LoginLogoutDemo</display-name>
<servlet>
<servlet-name>LoginServlet</servlet-name>
<servlet-class>LoginServlet</servlet-class>
</

```

Output



http://localhost:8080/Z2/NewFile2.html

## Login

Username:

Password:

Login