Practical 14(HTTP login)

login.html

<!DOCTYPE html>

<html>

<head>

<title>Login Form</title>

</head>

<body>

<h2>Login Form</h2>

<form action=*"login"* method=*"POST"*>

<label for=*"username"*>Username:</label>

<input type=*"text"* id=*"username"* name=*"username"*><br>

<label for=*"password"*>Password:</label>

<input type=*"password"* id=*"password"* name=*"password"*><br>

<input type=*"submit"* value=*"Login"*>

</form>

</body>

</html>

LoginServlet.java

**import** java.io.IOException;

**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("/login")

**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");

// Perform authentication logic here

// ...

**if** (username.equals("admin") && password.equals("admin123")) {

// Authentication successful

HttpSession session = request.getSession();

session.setAttribute("username", username);

response.sendRedirect("dashboard");

} **else** {

// Authentication failed

response.sendRedirect("login.html");

}

}

}

DashboardServlet.java

**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("/dashboard")

**public** **class** DashboardServlet **extends** HttpServlet {

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse

response) **throws** ServletException, IOException {

HttpSession session = request.getSession();

String username = (String) session.getAttribute("username");

response.setContentType("text/html");

PrintWriter out = response.getWriter();

**if** (username != **null**) {

out.println("<h2>Welcome, " + username + "!</h2>");

out.println("<a href=\"logout\">Logout</a>");

} **else** {

out.println("<h2>Please login</h2>");

out.println("<a href=\"login.html\">Login</a>");

}

}

}

LogoutServlet,java

**import** java.io.IOException;

**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("/logout")

**public** **class** LogoutServlet **extends** HttpServlet {

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse

response) **throws** ServletException, IOException {

HttpSession session = request.getSession();

session.invalidate();

response.sendRedirect("login.html");

}

}