* **Write a Servlet Program to Demonstrate the Session Management.**

**File Name: SessionLogin1.html**

<!DOCTYPE html>

<html>

<head>

<title>Session Mgmt using HTTP Session</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<form action="LoginServlet" method="post">

Username:<input type="text" name="userName"/>

<br/><br/>

Password:<input type="password" name="password"/>

<br/><br/>

<input type="submit" value="login"/>

</form>

</body>

</html>

**File Name: LoginServlet.java**

package test;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

public class LoginServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

//no-argument constructor

public LoginServlet() {

}

protected void doPost(HttpServletRequest request,

HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

//get parameters from request object.

String userName = request.getParameter("userName").trim();

String password = request.getParameter("password").trim();

//check for null and empty values.

if(userName == null || userName.equals("") ||

password == null || password.equals("")){

out.print("Please enter both username " +

"and password. <br/><br/>");

RequestDispatcher requestDispatcher =

request.getRequestDispatcher("/SessionLogin1.html");

requestDispatcher.include(request, response);

}//Check for valid username and password.

else if(userName.equals("JSS") && password.equals("123456")){

HttpSession session=request.getSession();

session.setAttribute("userName",userName);

session.setAttribute("password",password);

out.println("Logged in successfully.<br/>");

out.println("Click on the below link to see " +

"the values of Username and Password.<br/>");

out.println("<a href='DisplaySessionValueServlet'>" +

"Click here</a>");

out.close();

}else{

out.print("Wrong username or password. <br/><br/>");

RequestDispatcher requestDispatcher =

request.getRequestDispatcher("/SessionLogin1.html");

requestDispatcher.include(request, response);

}

}

}

**File Name: DisplaySessionValueServlet.java**

package test;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

public class DisplaySessionValueServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

//no-argument constructor

public DisplaySessionValueServlet() {

}

protected void doGet(HttpServletRequest request,

HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

//get parameters from session object.

HttpSession session=request.getSession(false);

String id = session.getId();

out.println("Session Id is : " + id+"<br><br>");

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

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

out.println("Username: " + userName + "<br/><br/>");

out.println("Password: " + password);

out.close();

}

}