Create a servlet-based web application that shows a login page and validates it. The correct values are hard-coded. On successful login, a dashboard page is shown. The dashboard will provide a link for logging out. Incorrect logins need to be handled by showing an error message page.

Program:

//login.html

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>welcome</title>

</head>

<body>

<h1 align=*"center"*>LOGIN PAGE</h1>

<form action=*"test"* method=*"post"*>

]

<table width=*"20%"* bgcolor=*"0099CC"* align=*"center"*>

<tr>

<td colspan=*2*><center><font size=*4*><b>HTML Login Page</b></font></center></td>

</tr>

<tr>

<td>Username:</td>

<td><input type=*"text"* size=*25* name=*"userid"*></td>

</tr>

<tr>

<td>Password:</td>

<td><input type=*"Password"* size=*25* name=*"pwd"*></td>

</tr>

<tr>

<td ><input type=*"Reset"*></td>

<td><input type=*"submit"* onclick="return check(this.form)" value=*"Login"*></td>

</tr>

</table>

</form>

</body>

</html>

//Authenticate.java

**package** com.hema.training;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.RequestDispatcher;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

@WebServlet("/authenticate")

**public** **class** Authenticate **extends** HttpServlet {

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

//set the content type

response.setContentType("test/html");

//get the print writer

PrintWriter out=response.getWriter();

out.println("hello");

// Get the parameter values from request

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

String userPassword = request.getParameter("pwd");

//Validate the user

**if**(userName.trim().equals("hema") && userPassword.trim().equals("hello")) {

RequestDispatcher dispatcher = request.getRequestDispatcher("dashboard");

dispatcher.forward(request, response);

} **else** {

out.println("Invalid username or password...");

RequestDispatcher dispatcher = request.getRequestDispatcher("login.html");

dispatcher.include(request, response);

}

}

}

//DashBoard.java

**package** com.hema.training;

**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;

@WebServlet("/dashboard")

**public** **class** Dashboard **extends** HttpServlet {

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

//set the content type

response.setContentType("text/html");

// Get the username from request

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

// Print the Welcome message

response.getWriter().println("Welcome " + userName + ". You are now logged in.");

}

}

Output:

