Lab 04

Task 03

Index.html

<!DOCTYPE html>

<html>

<head>

<title>User Input</title>

</head>

<body bgcolor="LightGray">

<h1 align="center">User Input</h1>

<hr color="black">

<form action="GetUserInputServlet" method="POST">

<center><table style="width: 70%">

<tr>

<th><h3>Name:</h3></th>

<td><input type="text" name="un" required></td>

</tr>

<tr>

<td colspan="2"><input type="submit" value="save"></td>

</tr>

</table></center>

</form>

<hr color="black">

<hr color="black">

<h1>Sum Calculator</h1>

<form action="CalculateSumServlet" method="POST">

First Number: <input type="number" name="num1" required><br>

Second Number: <input type="number" name="num2" required><br>

<input type="submit" value="Calculate Sum">

</form>

</body>

</html>

CalculateSumServlet.java

import java.io.IOException;

import java.io.PrintWriter;

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(urlPatterns = {"/CalculateSumServlet"})

public class CalculateSumServlet extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

int num1 = Integer.parseInt(request.getParameter("num1"));

int num2 = Integer.parseInt(request.getParameter("num2"));

int sum = num1 + num2;

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter()) {

/\* TODO output your page here. You may use following sample code. \*/

out.println("<!DOCTYPE html>");

out.println("<html>");

out.println("<head>");

out.println("<title>Calculate Sum</title>");

out.println("</head>");

out.println("<body>");

out.println("<h1>Calculate Sum</h1>");

out.println("<h2>First number: " + num1 + "</h2>");

out.println("<h2>Second number: " + num2 + "</h2>");

out.println("<h1>Answer: " + sum + "</h1>");

out.println("</body>");

out.println("</html>");

}

}

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

int num1 = Integer.parseInt(request.getParameter("num1"));

int num2 = Integer.parseInt(request.getParameter("num2"));

int sum = num1 + num2;

response.setContentType("text/html");

PrintWriter out = response.getWriter();

out.println("<html><body>");

out.println("<h1>The sum of " + num1 + " and " + num2 + " is: " + sum + "</h1>");

out.println("</body></html>");

}

}



