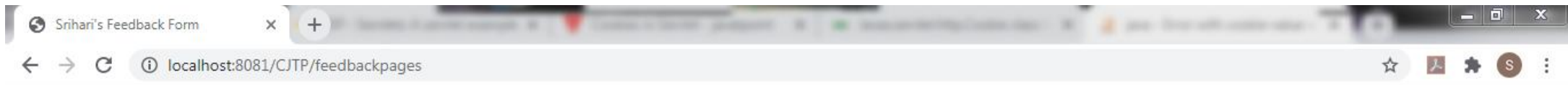


JAVA SERVLETS S.SRIHARI - 2018103601 - BATCH "P"



HOME

Feedback Form

Name:

RollNo:

Course:

Branch:

CourseCode:

Batch: ☐ N Batch ☐ P Batch ☐ Q Batch

Was the course useful to gain knowledge about Java? ☐ High ☐ Mid ☐ Low

Was 4 hours sufficient for the lab? ☐ High ☐ Mid ☐ Low

Is this a Core Course? ☐ Yes ☐ No

VIEW DETAILS

Q1. HTML Feedback Form generated as specified in the question

CheckBoxes and RadioButtons entered as specified in the question.



HOME

Feedback Form

Name:

RollNo:

Course:

Branch:

CourseCode:

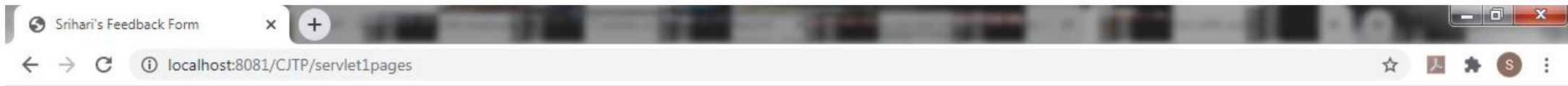
Batch: ☐ N Batch ☒ P Batch ☐ Q Batch

Was the course useful to gain knowledge about Java? ☒ High ☐ Mid ☐ Low

Was 4 hours sufficient for the lab? ☐ High ☒ Mid ☐ Low

Is this a Core Course? ☒ Yes ☐ No

VIEW DETAILS



HOME

Welcome Srihari

Your RollNo: 2018103601

Subject: Java

Branch: Cse

CourseCode: CS6308

Is the course useful?: high

Was the lab time sufficient?: mid

Is this core subject: Yes

Batch : P

ADD COOKIES

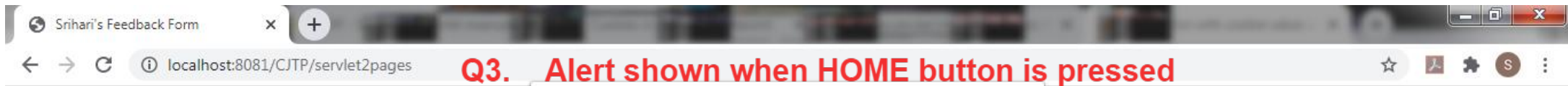
Q1. On Clicking VIEW DETAILS, the data entered by the user in the form is shown



HOME

Details Obtained through Cookies

Java
Srihari
2018103601



Q3. Alert shown when HOME button is pressed

localhost:8081 says
HELLO

OK

Java
Srihari
2018103601



FirstServlet.java

The screenshot shows the Eclipse IDE interface. The Project Explorer on the left displays the project structure for 'CJTP'. The 'src' folder is expanded, showing the 'week12' package containing 'FeedbackForm.java', 'FirstServlet.java', and 'SecondServlet.java'. The 'FirstServlet.java' file is selected and its code is displayed in the Editor. The code defines a class 'FirstServlet' extending 'HttpServlet' with a 'doPost' method. The 'doPost' method sets the content type to 'text/html', prints the HTML header and body, and includes a JavaScript alert function. The body contains a submit button with the value 'HOME' and an onclick event that calls 'alerts()'. The 'doPost' method also retrieves parameters from the request: 'Name', 'RollNo', 'Subject', 'Branch', 'CourseCode', 'q1', 'q2', 'Yes', 'No', and 'N'.

```
1 package week12;
2 import java.io.*;
3 import javax.servlet.*;
4 import javax.servlet.http.*;
5
6
7 public class FirstServlet extends HttpServlet {
8
9     public void doPost(HttpServletRequest request, HttpServletResponse response){
10         try{
11
12             response.setContentType("text/html");
13             PrintWriter out = response.getWriter();
14             out.println("<!DOCTYPE html>");
15             out.println("<html><head>");
16             out.println("<meta http-equiv='Content-Type' content='text/html; charset=UTF-8'>");
17             out.println("<title>Srihari's Feedback Form</title></head>");
18             out.println("<body>");
19
20             out.println("<script type='text/javascript'> function alerts() { alert(' HELLO');}</script>"
21                 + "<input type='submit' value='HOME' onclick='alerts();'/>");
22
23             String name=request.getParameter("Name");
24             String rollno = request.getParameter("RollNo");
25             String sub = request.getParameter("Subject");
26
27             String Branch = request.getParameter("Branch");
28             String CourseCode = request.getParameter("CourseCode");
29             String Use = request.getParameter("q1");
30
31             String Time=request.getParameter("q2");
32             String CoreYes = request.getParameter("Yes");
33             String CoreNo = request.getParameter("No");
34
35             String batchN = request.getParameter("N");
```

The bottom status bar shows 'Tomcat v8.5 Server at localhost [Started, Synchronized]'.

FirstServlet.java Continuation

The screenshot displays the Eclipse IDE interface with the following components:

- Project Explorer (Left):** Shows the project structure for 'CJTP'. Under 'Java Resources' > 'src' > 'week12', the files 'FeedbackForm.java', 'FirstServlet.java', and 'SecondServlet.java' are listed. Other folders include 'Libraries' (Apache Tomcat v8.5, JRE System Library), 'build', 'WebContent' (META-INF, WEB-INF), and 'HelloServlets'.
- Editor (Center):** Displays the code for 'FirstServlet.java'. The code continues from the previous file, showing parameter retrieval and output formatting.
- Right Side:** Includes a 'Run and Debug' tab showing a 'doPost(HttpServ' method call, and a 'Markers' tab.
- Bottom Panel:** Contains 'Markers', 'Properties', 'Servers' (showing 'Tomcat v8.5 Server at localhost [Started, Synchronized]'), 'Data Source Explorer', 'Snippets', and 'Console'.
- Status Bar (Bottom):** Shows 'Writable', 'Smart Insert', and a timer '95 : 43 : 3016'.

```
34
35 String batchN = request.getParameter("N");
36 String batchP = request.getParameter("P");
37 String batchQ = request.getParameter("Q");
38
39 out.println("<br>\nWelcome "+name);
40
41 out.println("<br>\nYour RollNo: "+rollno);
42
43 out.println("<br>\nSubject: "+sub);
44
45 out.println("<br>\nBranch: "+Branch);
46
47 out.println("<br>\nCourseCode: "+CourseCode);
48
49 out.println("<br>\nIs the course useful?: "+Use);
50
51 out.println("<br>\nWas the lab time sufficient?: "+Time);
52
53
54 try {
55     if(CoreYes.equals("Yes"))out.println("<br>\nIs this core subject: "+CoreYes);
56 }
57 catch(Exception e) {
58 }
59
60 try {
61     if(CoreNo.equals("No"))out.println("<br>\nIs this core subject: "+CoreNo);
62 }
63 catch(Exception e) {
64 }
65
66
67 try {
68     if(batchN.equals("N"))out.println("<br>\nBatch : "+batchN);
```

FirstServlet.java Continuation

The screenshot shows the Eclipse IDE with the following components:

- Project Explorer:** Displays the project structure for 'CJTP'. It includes 'Deployment Descriptor: CJTP', 'JAX-WS Web Services', 'Java Resources' (containing 'src' with 'week12' sub-package), 'Libraries' (Apache Tomcat v8.5, JRE System Library), 'build', 'WebContent' (META-INF, WEB-INF), and 'HelloServlets'.
- Editor:** Shows the 'FirstServlet.java' file. The code is as follows:

```
66
67     try {
68         if(batchN.equals("N"))out.println("<br>\nBatch : "+batchN);
69     }
70     catch(Exception e) {
71     }
72
73     try {
74         if(batchP.equals("P"))out.println("<br>\nBatch : "+batchP);
75     }
76     catch(Exception e) {
77     }
78
79     try {
80         if(batchQ.equals("Q"))out.println("<br>\nBatch : "+batchQ);
81     }
82     catch(Exception e) {
83     }
84
85     Cookie ck[]=new Cookie[3];
86     ck[0] = new Cookie("name",name);//creating cookie object
87     ck[1] = new Cookie("rollno",rollno);//creating cookie object
88     ck[2] = new Cookie("sub",sub);//creating cookie object
89     response.addCookie(ck[0]);//adding cookie in the response
90     response.addCookie(ck[1]);//adding cookie in the response
91     response.addCookie(ck[2]);//adding cookie in the response
92     out.print("<form action='servlet2pages' method='POST'>");
93     out.print("<input type='submit' value='ADD COOKIES'>");
94     out.print("</form></body></html>");
95
96     out.close();
97
98     }catch(Exception e){System.out.println(e);}
99 }
100 }
```
- Console:** Shows the Tomcat v8.5 Server at localhost [Started, Restart].
- Bottom Bar:** Displays 'Writable', 'Smart Insert', and '83 : 9 : 2514'.
- Taskbar:** Shows the Windows taskbar with icons for File Explorer, Chrome, and Eclipse IDE.
- System Tray:** Shows the system clock as 9:24 PM on 11/6/2020.

SecondServlet.java

The screenshot shows the Eclipse IDE with the following components:

- Project Explorer:** Shows the project structure with folders like CJP, JAX-WS Web Services, Java Resources, Libraries, build, WebContent, META-INF, WEB-INF, lib, and web.xml.
- Code Editor:** Displays the code for `SecondServlet.java`. The code is as follows:

```
1 package week12;
2 import java.io.*;
3 import javax.servlet.*;
4 import javax.servlet.http.*;
5
6 public class SecondServlet extends HttpServlet {
7
8     public void doPost(HttpServletRequest request, HttpServletResponse response){
9         try{
10
11             response.setContentType("text/html");
12             PrintWriter out = response.getWriter();
13
14             out.println("<!DOCTYPE html>");
15             out.println("<html><head>");
16             out.println("<meta http-equiv='Content-Type' content='text/html; charset=UTF-8'>");
17             out.println("<title>Srihari's Feedback Form</title></head>");
18             out.println("<body>");
19
20             out.println("<script type='text/javascript'> function alerts() { alert(' HELLO');}</script>"
21                 + "<input type='submit' value='HOME' onclick='alerts();'/>");
22
23
24             Cookie ck[]=request.getCookies();
25             out.println("<center><h1><b>Details Obtained through Cookies<br><br>");
26             out.println(ck[0].getValue()+"<br>");
27             out.println(ck[1].getValue()+"<br>");
28             out.println(ck[2].getValue()+"</b></h1></center>");
29
30             out.close();
31
32             }catch(Exception e){System.out.println(e);}
33         }
34     }
```
- Console:** Shows the output of the Tomcat v8.5 Server at localhost [Apache Tomcat] C:\Program Files\Java\jdk-14.0.2\bin\javaw.exe (Nov 6, 2020, 9:19:09 PM).
- Bottom Bar:** Displays the status of the file (Writable), Smart Insert, and the current line/character count (33 : 8 : 1149).

web.xml

The screenshot displays the Eclipse IDE interface with the following components:

- Project Explorer (Left):** Shows the project structure for 'CJTP'. The 'src' folder is expanded, showing 'week12' which contains 'FeedbackForm.java', 'FirstServlet.java', and 'SecondServlet.java'. The 'WEB-INF' folder is also expanded, showing 'lib' and 'web.xml'.
- Source Editor (Center):** Displays the content of 'web.xml'. The XML code is as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee" xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app_3_0.xsd">
  <display-name>CJTP</display-name>
  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
    <welcome-file>index.jsp</welcome-file>
    <welcome-file>default.html</welcome-file>
    <welcome-file>default.jsp</welcome-file>
  </welcome-file-list>
  <servlet>
    <servlet-name>FirstServlet</servlet-name>
    <servlet-class>week12.FirstServlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>FirstServlet</servlet-name>
    <url-pattern>/servlet1pages</url-pattern>
  </servlet-mapping>
  <servlet>
    <servlet-name>SecondServlet</servlet-name>
    <servlet-class>week12.SecondServlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>SecondServlet</servlet-name>
    <url-pattern>/servlet2pages</url-pattern>
  </servlet-mapping>
  <servlet>
    <servlet-name>FeedbackForm</servlet-name>
    <servlet-class>week12.FeedbackForm</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>FeedbackForm</servlet-name>
    <url-pattern>/feedbackpages</url-pattern>
  </servlet-mapping>
</web-app>
```
- Outline (Right):** Shows the XML structure tree, including 'web-app', 'display-name', 'welcome-file-list', 'servlet', 'servlet-mapping', and 'servlet-class'.
- Console (Bottom):** Displays the output of the Tomcat v8.5 Server at localhost, showing the server is running successfully.

FeedbackForm.java

The screenshot shows the Eclipse IDE interface with the following components:

- Project Explorer (Left):** Displays the project structure. The 'week12' package is expanded, showing 'FeedbackForm.java', 'FirstServlet.java', and 'SecondServlet.java'. Other packages like 'HelloServlets', 'Servers', 'Tpointjava', and 'Week12' are also visible.
- Editor (Center):** Displays the code for 'FeedbackForm.java'. The code is as follows:

```
1 package week12;
2
3
4 import java.io.IOException;
5 import java.io.PrintWriter;
6
7 import javax.servlet.ServletException;
8 import javax.servlet.annotation.WebServlet;
9 import javax.servlet.http.HttpServlet;
10 import javax.servlet.http.HttpServletRequest;
11 import javax.servlet.http.HttpServletResponse;
12
13 /**
14  * Servlet implementation class FeedbackForm
15  */
16 @WebServlet("/FeedbackForm")
17 public class FeedbackForm extends HttpServlet {
18     private static final long serialVersionUID = 1L;
19
20     /**
21      * @see HttpServlet#HttpServlet()
22      */
23     public FeedbackForm() {
24         super();
25         // TODO Auto-generated constructor stub
26     }
27
28     /**
29      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
30      */
31     public void doGet(HttpServletRequest request, HttpServletResponse response) throws IOException, ServletException {
32         // Set the response message's MIME type
33         response.setContentType("text/html;charset=UTF-8");
34         // Allocate a output writer to write the response message into the network socket
35         PrintWriter out = response.getWriter();
```
- Outline (Right):** Shows the class hierarchy and methods for 'FeedbackForm', including 'serialVersionUID', 'FeedbackForm()', 'doGet(HttpServletRequest)', and 'doPost(HttpServletRequest)'.
- Console (Bottom):** Displays the output of the Tomcat v8.5 Server at localhost, showing the server startup message: 'Tomcat v8.5 Server at localhost [Apache Tomcat] C:\Program Files\Java\jdk-14.0.2\bin\javaw.exe (Nov 6, 2020, 9:19:09 PM)'.
- Taskbar (Bottom):** Shows the Windows taskbar with various application icons and the system clock displaying '9:26 PM 11/6/2020'.

FeedbackForm.java Continuation

The screenshot shows the Eclipse IDE with the following components:

- Project Explorer:** Displays the project structure for 'CJTP'. The 'src' folder contains 'week12', which includes 'FeedbackForm.java', 'FirstServlet.java', and 'SecondServlet.java'. There are also 'Libraries' (Apache Tomcat v8.5, JRE System Library) and a 'build' folder.
- Editor:** Shows the 'FeedbackForm.java' file. The code continues from line 34, allocating an output writer and writing an HTML response. The HTML includes a title 'Srihari's Feedback Form' and a form with the following fields:
 - Name:
 - RollNo:
 - Subject:
 - Branch:
 - CourseCode:
 - Batch selection: ☐ N Batch, ☐ P Batch, ☐ Q Batch
 - Course usefulness feedback: ☐ High, ☐ Mid, ☐ Low
 - Lab duration feedback: ☐ High
- Console:** Shows the output of the Tomcat v8.5 Server at localhost, indicating the application is running successfully on Nov 6, 2020, at 9:19:09 PM.
- Bottom Bar:** Displays 'Writable', 'Smart Insert', and a progress indicator '50 : 55 : 1777'.

FeedbackForm.java Continuation

The screenshot shows the Eclipse IDE with the following components:

- Project Explorer:** Displays the project structure for 'CJTP', including 'src' (week12) and 'Libraries'.
- Editor:** Shows the continuation of `FeedbackForm.java` with the following code:

```
59 + "<input type='checkbox' id='P' name='P' value='P'> <label for='P'> P Batch</label>"
60 + "<input type='checkbox' id='Q' name='Q' value='Q'> <label for='Q'> Q Batch</label><br>\n    </p>";
61
62 out.println("<p>Was the course useful to gain knowledge about Java? "
63 + " <input type='radio' id='high' name='q1' value='high'> <label for='high'>High</label>"
64 + " <input type='radio' id='mid' name='q1' value='mid'> <label for='mid'>Mid</label>"
65 + " <input type='radio' id='low' name='q1' value='low'> <label for='low'>Low</label> <br></p>");
66
67 out.println("<p>Was 4 hours sufficient for the lab? "
68 + " <input type='radio' id='high' name='q2' value='high'> <label for='high'>High</label>"
69 + " <input type='radio' id='mid' name='q2' value='mid'> <label for='mid'>Mid</label>"
70 + " <input type='radio' id='low' name='q2' value='low'> <label for='low'>Low</label> <br></p>");
71
72 out.println("<p>Is this a Core Course? <input type='checkbox' id='Yes' name='Yes' value='Yes'> <label for="
73 + " <input type='checkbox' id='No' name='No' value='No'> <label for='No'> No</label><br>\n    </p>");
74 out.println("<input type='submit' value='VIEW DETAILS'>");
75
76 out.println("</form></body>");
77 out.println("</html>");
78 } finally {
79     out.close(); // Always close the output writer
80 }
81
82
83
84 /**
85  * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
86  */
87 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
88     // TODO Auto-generated method stub
89     doGet(request, response);
90 }
91
92 }
93
```
- Console:** Shows the server status: "Tomcat v8.5 Server at localhost [Apache Tomcat] C:\Program Files\Java\jdk-14.0.2\bin\javaw.exe (Nov 6, 2020, 9:19:09 PM)".
- Taskbar:** Displays the system clock as 9:26 PM on 11/6/2020.