14043-11-9E AID: 258164 | 06/09/2020

EXPERIMENT NO 10

AIM: Write a servlet for the XHTML code of exercise 6 that computes the total cost of ordered light bulbs after adding 2% sales tax. The servlet must inform the buyer of exactly what was ordered in table.

PROGRAM: HTML FILE: <html> <head> <title>Exp-10</title> </head> <body><center> <form method="POST" action="ExplO\_servler> <h3>Enter the Data</h3> <table border="2" bgcolor="grey"> <tr bgcolor="skyblue"> <td>USERNAME</td> <td colspan="2"><input type="text" name="username"></td> </tr> <tr bgcolot="khalci"> <td colspan="3"><center>ITEMS</td> </tr> <tr bgcolor="skyblue"> <td><input type="checkbox" name="optionl">Four 100 watt light bulbs for Rs 20.</td> <td colspan="2"><input type="text" name="val 1" ></td> </tr> <tr bgcolor="skyblue"> <td><input type="checkbox" name="option2">Eight 100 watt light bulbs for Rs 40.</td> <td colspan="2"><input type="text" name="val2"></td> </tr> <tr bgcolor="skyblue">

<td><input type="checkbox" name="option3">Four 100 watt long life light bulbs for Rs 30.</td>

<td colspan="2"><input type="text" name="val3"></td>

</tr> <tr bgcolor="skyblue"> <td><input type="checkbox" name="option4">Eight 100 watt long life light bulbs for Rs 70.</td> <td colspan="2"><input type="text" name="val4"></td> </tr> <tr bgcolor="khalci"> <td colspan="3"><center>Payments</td> </tr> <tr bgcolor="skyblue"> <td colspan="3"><input type="radio" name="groupl">Visa</td> </tr> <tr bgcolor="skyblue"> <td colspan="3"><input type="radio" name="group2">Mastercard</td> </tr> <tr bgcolor="skyblue"> <td colspan="3"><input type="radio" name="group3">Rupay</td> </tr> <tr bgcolor="grey"> <td colspan="3"><center><input type="submit" value="Submit" name="submit"></td> </tr> </table> </form> </body> </html>

SERVLET.JAVA FILE: 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 = {"/ExplO\_servlet"}) public class ExplO\_servlet extends HttpServl et { protected void service(HttpServletRequest request, HttpServletResponse response) throws ServletException, I0Exception { response.setContentType("text/html;charset=UTF-8"); PrintWriter out = response.getWriter();

try {

String uname=request.getParameter("username"); int iteml,item2,item3,item4; int price 1=20; int price2=40; int price3=30; int price4=50; item 1=item2=item3=item4 = 0; if(request.getParameter("optionl")!=null){ String strl=request.getParameter("vall"); item 1=Integer.parseInt(str 1);

} if(request.getParameter("option2")!=null) { String str2=request.getParameter("val2"); item2=Integer.parselnt(str2);

}

if(request. getParameter("option3")!=nul 1) { String str3=request.getParameter("va13"); item3=Integer.parseInt(str3);

} if(request.getParameter("option4" ) !=null) { String str4=request.getParameter("val4"); item4=Integer.parselnt(str4);

} int total 1 =item 1 \*price 1; int total2=item2\*price2; int total3=item3\*price3; int total4=item4\*price4; double total=(total 1 +total2+total3+total4); total+=(total\*2.0)/100; out.println("<!DOCTYPE html>"); out.println("<head>"); out.println("<title>Servlet Order</title>"); out.println("</head>"); out.println("<body>"); out.println("<h4>Username:"±uname+"</h4>"); out.println("<h3>you have ordered following items:</h3>"); out.println("<table border>"); out.println("<tr><td>Qty</td>"); out.println("<td>Price</td>"); out.println("<td>Total</td></tr>"); out.println("</tr>"); out.println("<tr>"); out.println("<td>"+item1+"</td>"); out.println("<td>"+price1+"</td>"); out.println("<td>"+total l+"</td>");

out.println("</tr>"); out. pri ntln("<tr>"); out.println("<td>"+item2+"</td>"); out. pri ntln("<td>"+price2+"</td>"); out.println("<td>"+total2+"</td>"); out.println("</tr>"); out. pri ntln("<tr>"); out. pri ntln("<td>"+item3+"</td>"); out. pri ntln("<td>"+price3+"</td>"); out. pri ntln("<td>"+total3+"</td>"); out.println("</tr>"); out. pri ntln("<tr>"); out.println("<td>"+item4+"</td>"); out.println("<td>"+price4+"</td>"); out. pri ntln("<td>"+total4+"</td>"); out.println("</tr>"); out. println("</tab le><br><br>"); out.println("<i>Total bill including sales tax:</i>"+total); out.println("</body>"); out.println("</html>"); } finally { out. c lose();