

ShowParameters.java

```
1 package coreservlets;
2
3 import java.io.*;
4 import javax.servlet.*;
5 import javax.servlet.annotation.*;
6 import javax.servlet.http.*;
7 import java.util.*;
8
9 /** Shows all the parameters sent to the servlet via either
10 * GET or POST. Specially marks parameters that have
11 * no values or multiple values.
12 * <p>
13 * From <a
14 * href="http://courses.coreservlets.com/Course-Materials/">the
15 * coreservlets.com tutorials on servlets, JSP, Struts, JSF, Ajax,
16 * GWT, and Java</a>.
17 */
18 @WebServlet("/show-params")
19 public class ShowParameters extends HttpServlet {
20     @Override
21     public void doGet(HttpServletRequest request,
22                       HttpServletResponse response)
23         throws ServletException, IOException {
24         response.setContentType("text/html");
25         PrintWriter out = response.getWriter();
26         String docType =
27             "<!DOCTYPE HTML PUBLIC \"-//W3C//DTD HTML 4.0 \" +
28             \"Transitional//EN\">\n";
29         String title = "Reading All Request Parameters";
30         out.println(docType +
31             "<HTML>\n" +
32             "<HEAD><TITLE>" + title + "</TITLE></HEAD>\n" +
33             "<BODY BGCOLOR=\"#FDF5E6\">\n" +
34             "<H1 ALIGN=CENTER>" + title + "</H1>\n" +
35             "<TABLE BORDER=1 ALIGN=CENTER>\n" +
36             "<TR BGCOLOR=\"#FFAD00\">\n" +
37             "<TH>Parameter Name<TH>Parameter Value(s)");
38         Enumeration<String> paramNames = request.getParameterNames();
```

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```
38  while(paramNames.hasMoreElements()) {
39      String paramName = paramNames.nextElement();
40      out.print("<TR><TD>" + paramName + "\n<TD>");
41      String[] paramValues =
42          request.getParameterValues(paramName);
43      if (paramValues.length == 1) {
44          String paramValue = paramValues[0];
45          if (paramValue.length() == 0)
46              out.println("<I>No Value</I>");
47          else
48              out.println(paramValue);
49      } else {
50          out.println("<UL>");
51          for(int i=0; i<paramValues.length; i++) {
52              out.println("<LI>" + paramValues[i]);
53          }
54          out.println("</UL>");
55      }
56  }
57  out.println("</TABLE>\n</BODY></HTML>");
58  }
59
60  @Override
61  public void doPost(HttpServletRequest request,
62                      HttpServletResponse response)
63      throws ServletException, IOException {
64      doGet(request, response);
65  }
66 }
67
```