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Show Parameter In Servlet



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In this section, you will learn send and put all parameter name table. The following program methods, which is described

Code Description:

Here, in this example, you will see the use of `getParameterNames()` method and `getParameterValues()` method. The logic of the program

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written inside the `doGet()` method which takes two arguments, first is `HttpServletRequest` interface and the second one is the `HttpServletResponse` interface and this method can throw `ServletException`. First, it looks up parameter names via the `getParameterNames()` method of `HttpServletRequest` returns an Enumeration. Next, it loops down the Enumeration in the same manner, using `hasMoreElements()` method to determine when to stop and `nextElement` to get each entry. Since `nextElement` returns an Object, it casts to a String and passes that to `getParameterValues`, yielding an array of String array is one entry long and contains only an empty string, then the parameter values, and the servlet generates an italicized "No Value" entry. The array then one entry long, then the parameter had multiple values and they are placed in a table list. Otherwise the one main value is just placed into the table.

getParameterNames(): `getParameterNames()` is a method. This is the method returns the parameter names for the request as an enumeration of string.

getParameterValues: `getParameterValues()` is a method. This is the method returns the values of the specified parameter for the request as an array of null if the named parameter does not exist.

Html file for this program:

```
<html>
<head>
  <title>Form Post</title>
</head>

<body bgcolor="#FFFFFF">
<h1 align="center">A Sample FORM using POST</h1>

<form action="/amar/ShowParameterServlet" method="GET">
  Item Number:
  <input type="text" name="ItemNum"><br>
  Quantity:
  <input type="text" name="Quantity"><br>
</hr>
```

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```

First Name:
<input type="text" name="FirstName"><br>

Last Name:
<input type="text" name="LastName"><br>
Address:
<textarea NAME="address" ROWS=3 COLS=40></textarea><br>
Credit Card:<br>
  <input type="RADIO" name="CardType" value="Visa">Visa<br>

  <input type="RADIO" name="CardType" value="Master Card">Master C

  <input type="RADIO" name="CardType" value="India Express">India

Enter the Credit Card Number:
<input type="password" name="CardNum"><br>
Reenter the Credit Card Number:
<input type="password" name="CardNum"><BR><BR>
<center>
  <input type="submit" VALUE="Submit ">
  <input type="reset" value="Reset">
</center>
</form>
</body>
</html>

```

Here is the code of this program:

```

import java.io.*;
import java.util.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class ShowParameterServlet extends HttpServlet{
    public void doGet(HttpServletRequest request, HttpServletResponse
        throws ServletException,

        response.setContentType("text/html");
        PrintWriter pw = response.getWriter();
        String title = "Reading all request parameter";
        pw.println("<html><head><title>" +
            "<body bgcolor=\"#FFFFFF\">\n" +
            "<H1 align=center>" + title + "</H1>\n" +
            "<table border=1 align=center>\n" +
            "<TR bgcolor=\"#8A8AF4\">\n" +
            "<td>Parameter Name</td><td>Parameter Value(s)</td>\n";
        Enumeration Names = request.getParameterNames();
        while(Names.hasMoreElements()) {
            String str = (String)Names.nextElement();
            pw.println("<tr><td>" + str + "</td><td>");
            String[] Values = request.getParameterValues(str);
            if (Values.length == 1) {
                String paramValue = Values[0];
                if (paramValue.length() == 0)
                    pw.print("<I>No Value</I>");
                else
                    pw.print(paramValue);
            }
            else {
                pw.println("<UL>");
                for(int i=0; i<Values.length; i++) {
                    pw.println("<LI>" + Values[i]);
                }
                pw.println("</UL>");
            }
        }
        pw.println("</td></tr></table>\n</body></html>");
    }
}

```

Jsp Projects

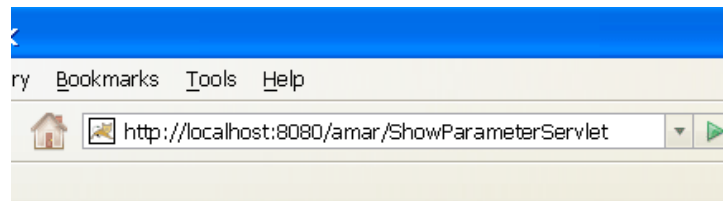
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Download of this program:**xml file for this program:**

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!--!DOCTYPE web-app
PUBLIC "-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"
"http://java.sun.com/dtd/web-app_2_3.dtd"> -->

<web-app>
<servlet>
<servlet-name>amar</servlet-name>
<servlet-class>ShowParameterServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>amar</servlet-name>
<url-pattern>/ShowParameterServlet</url-pattern>
</servlet-mapping>
</web-app>
```

Output of this program.

Reading all request parameter

Parameter Name	Parameter Value(s)
----------------	--------------------

Form Post - Mozilla Firefox

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http://localhost:8080/amar/Form%20Post.html

A Sample FORM using POST

Item Number:

Quantity:

First Name:

Last Name:

Address:

Credit Card:

Visa

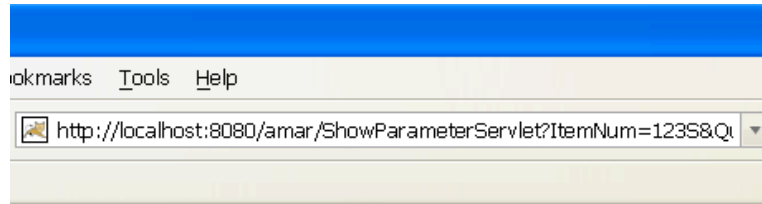
Master Card

India Express

Enter the Credit Card Number:

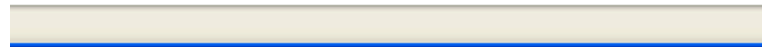
Reenter the Credit Card Number:

ie



Reading all request parameter

Parameter Name	Parameter Value(s)
address	B-24, sanjay market, Rohini, Delhi-85
CardType	Master Card
FirstName	Amardeep
LastName	Patel
CardNum	<ul style="list-style-type: none"> ◆ 123456 ◆ 123456
ItemNum	123S
Quantity	2



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