**7.ServletRequest Interface:**

* An object of ServletRequest is used to provide the client request information to a servlet such as content type, content length, parameter names and values, header informations, attributes etc.

**Methods of ServletRequest Interface:**

|  |  |
| --- | --- |
| **Method** | **Description** |
| **public String getParameter(String name)** | is used to obtain the value of a parameter by name. |
| **public String[] getParameterValues(String name)** | returns an array of String containing all values of given parameter name. It is mainly used to obtain values of a Multi select list box. |
| **java.util.Enumeration getParameterNames()** | returns an enumeration of all of the request parameter names. |
| **public int getContentLength()** | Returns the size of the request entity data, or -1 if not known. |
| **public String getCharacterEncoding()** | Returns the character set encoding for the input of this request. |
| **public String getContentType()** | Returns the Internet Media Type of the request entity data, or null if not known. |
| **public ServletInputStream getInputStream() throws IOException** | Returns an input stream for reading binary data in the request body. |
| **public abstract String getServerName()** | Returns the host name of the server that received the request. |
| **public int getServerPort()** | Returns the port number on which this request was received. |

**Example:**

**index.html**

<form action="welcome" method="get">

Enter your name<input type="text" name="name"><br>

<input type="submit" value="login">

</form>

**DemoServ.java**

**import** javax.servlet.http.\*;

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**import** java.io.\*;

**public** **class** DemoServ **extends** HttpServlet{

**public** **void** doGet(HttpServletRequest req,HttpServletResponse res)

**throws** ServletException,IOException

{

res.setContentType("text/html");

PrintWriter pw=res.getWriter();

String name=req.getParameter("name");//will return value

pw.println("Welcome "+name);

pw.close();

}

}