getServletPath() Method

Programmer USES GETSERVLETPATH() METHOD TO RETRIEVE THE ALIAS NAME USED BY CLIENT. GETSERVLETPATH() METHOD IS DEFINED IN SERVLETREQUEST INHERITED BY HTTPSERVLETREQUEST.

<https://way2java.com/servlets/request-getservletpath-method-example-in-servlets/>

Q.How to create object of servlet context

An object of ServletContext is created by the web container at time of deploying the project. This object can be used to get configuration information from web.xml file. There is only one ServletContext object per web application.

If any information is shared to many servlet, it is better to provide it from the web.xml file using the **<context-param>** element.

### **How to get the object of ServletContext interface**

1. **getServletContext() method** of ServletConfig interface returns the object of ServletContext.
2. **getServletContext() method** of GenericServlet class returns the object of ServletContext.

Q.How to create object of servlet config

An object of ServletConfig is created by the web container for each servlet. This object can be used to get configuration information from web.xml file.

If the configuration information is modified from the web.xml file, we don't need to change the servlet. So it is easier to manage the web application if any specific content is modified from time to time.

### **How to get the object of ServletConfig**

### **getServletConfig() method** of Servlet interface returns the object of ServletConfig.

Q. getParameterValues()

The method getParameterValues() will generally came into picture if there is a chance of getting multiple values for any input parameter, this method will retrieve all of it values and store as string array.

## Syntax

String[] values = getParameterValues(“Input Parameter”);

<https://www.java4s.com/java-servlet-tutorials/example-on-getparametervalues-method-of-servlet-request/>

Q. getParameterNames()

If a client send the data to the servlet, that data will be available in the object of HttpServletRequest interface. In case of getParameter() method we have to pass input parameter name and it will give the value. If you are not aware of input parameter name ? or if you have 50+ input values its really tedious to use getParameter() method.

That’s why this getParameterNames() came into picture

<https://www.java4s.com/java-servlet-tutorials/example-on-getparameternames-method-of-servlet-request-object/>

What is ServletConfig object?

javax.servlet.ServletConfig is used to pass configuration information to Servlet. Every servlet has it’s own ServletConfig object and servlet container is responsible for instantiating this object. We can provide servlet init parameters in web.xml file or through use of WebInitParam annotation. We can use getServletConfig() method to get the ServletConfig object of the servlet.

What is ServletContext object?

javax.servlet.ServletContext interface provides access to web application parameters to the servlet. The ServletContext is unique object and available to all the servlets in the web application. When we want some init parameters to be available to multiple or all of the servlets in the web application, we can use ServletContext object and define parameters in web.xml using <context-param> element. We can get the ServletContext object via the getServletContext() method of ServletConfig. Servlet containers may also provide context objects that are unique to a group of servlets and which is tied to a specific portion of the URL path namespace of the host.

ServletContext is enhanced in Servlet Specs 3 to introduce methods through which we can programmatically add Listeners and Filters and Servlet to the application. It also provides some utility methods such as getMimeType(), getResourceAsStream() etc.

What are life cycle methods of a servlet?

Servlet Life Cycle consists of three methods:

public void init(ServletConfig config) – This method is used by container to initialize the servlet, this method is invoked only once in the lifecycle of servlet.

public void service(ServletRequest request, ServletResponse response) – This method is called once for every request, container can’t invoke service() method until unless init() method is executed.

public void destroy() – This method is invoked once when servlet is unloaded from memory.