

# JAVA Servlet





# Java<sup>TM</sup>

## About Course

A servlet is a Java programming language class that is used to extend the capabilities of servers that host applications accessed by means of a request-response programming model. Although servlets can respond to any type of request, they are commonly used to extend the applications hosted by web servers.



# JAVA SERVLETS

## CURRICULUM

### ① Basics of a Web application

What is a web application?

What is a web client and web server?

How do client and server communicate?

HTTP protocol basics

HTML language basics

What is a TCP/IP port, URL?

Need for a Web Container

### ② Web Container and Web Application Project Set up

To set up Tomcat Container on a machine

To set up a Servlets JSP project in Eclipse

To configure dependency of Servlet JSP APIs

Web application project structure

### ③ Servlets

What are Servlets?

What can they do? Why are they needed?



How do Servlets look in code?

HTTP Methods; GET, POST, PUT, DELETE, TRACE, OPTIONS

GET/POST request; differences between the two

Servlet Lifecycle

Servlet Context and Servlet Config

Forwarding and Redirection of requests

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## Session Management

What is a session?

Why is it required?

How to get a session?

Session information passing between client and server

Session information passing mechanisms -

Cookies, Rewriting

How to destroy a session



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(+91) 854 501 2345



@softcrayons



[info@softcrayons.com](mailto:info@softcrayons.com)



693, Sector 14-A, Vasundhara,  
Ghaziabad (U.P.), 201012