

## ==> Servlet :

==> Steps to be followed:

- => Browser sends the request ( either for dynamic or static response)
- => Server accepts request and identify whether request is for a) static response or b) Dynamic response
- => If the request is for static resource then server only will response back with the copy of static resource( html file)
- => If the request is for static resource and server doesn't have that required resource it will generate "404-page not found".
- => If the request is for the dynamic response, then server will identify for that request which .java code to be executed.
- => To identify which .java (Servlet) /resource will be used to response back we use "web.xml //annotation"
- => Once the required resource is available then server will handover the control to "Container"/servlets.
- => Container will execute the .java code based on its "LifeCycle-Actions"

How to install server s/w --> Apache Tomcat:

- => Go to the following link:  
<https://tomcat.apache.org/download-90.cgi>
- ==> click on 32-bit/64-bit Windows Service Installer (pgp, sha512)
- ==> Once downloaded, double click and install to setup the file
- ==> During the installation please do change the port n:- 9999

~~http://localhost:8080/~~ portNum  
http://localhost:9991/SecondServ/

↓ Protocol      ↓ App Name

Registration

Servlet

Name   
addr   
num

→ get data  
≡  
html  
Print writer

=> Servlet -> A pgm residing on  
Server:-

(handle http client req &  
✓ response back with suitable  
result)

=> A java pgm => extend  
HttpServlet

=> ① loaded  
② servlet instantiated } console  
③ servlet Initialization  
(init())

④ process the request received  
from client

{ service() } by doPost()  
doGet()

⑤ destroy()

HTTP methods

→ Post  
→ get  
→ delete  
≡≡≡

Post  
get

client → HTTP → request

Data ⇒ get → url → browser

Data → form → url → post

