

# #SERVLET

- It is server side programming concept.
- used to create dynamic web-content.
- used to handle Client request on Server Side

→ And Servlet is an Interface

→ It use tomcat Server to run and perform its task.

localhost : 8080

## # How To Create Servlet

## Old Method :

- ① Install Tomcat and extract.
- ② Go to webapp
- ③ Create a folder  $\Rightarrow$  any name (firstApp)
- ④  $\square$  firstApp
  - $\Downarrow$
  - $\square$  WEB-INF
    - $\hookrightarrow$  web.xml.  
all capital
  - $\Downarrow$
  - $\square$  classes
    - $\hookrightarrow$  First servlet  
all small
    - $\hookrightarrow$  FirstServlet.class.

$\Rightarrow$  In web.xml, we have to define boring stuff like

```
< servlet name="FirstServlet" />
< url-mapping = "/first" />
```

$\Rightarrow$  In 'FirstServlet' java class, you have to write server side codings.

# WAYS TO CREATE SERVETS

implement Servlet

extends  
GenericServlets

extends  
HTTPServlet

e.g.)

- public class FirstServlet **implements** Servlets
- ↓
- **extends** GenericServlet
- ↓
- **extends** HTTPServlet

implements Servlets

methods

init()

destroy()

service

(req, res)

getServletConfig()

कौम का  
चाही था।

PrintWith out = res.getWriter();  
out.setContentType();

- we also have to add the lib of Servlet
- \* → make your src as source file for

*extends GenericServlet*

→ we need to implement only  
service (req, res)  
↓  
This method

*extends HttpServlet*

2 methods

↳ mainly for webapps.

do get (req, res)  
{     ≡ }

do post (req, res)  
{     ≡ }

New Method :-

Just use annotation above on  
your Servlet class

→ @WebServlet("/hello") → acts as url-mapping  
Public class FirstServlet extends ... ---  
{     ≡     }

# Some Terminology :-

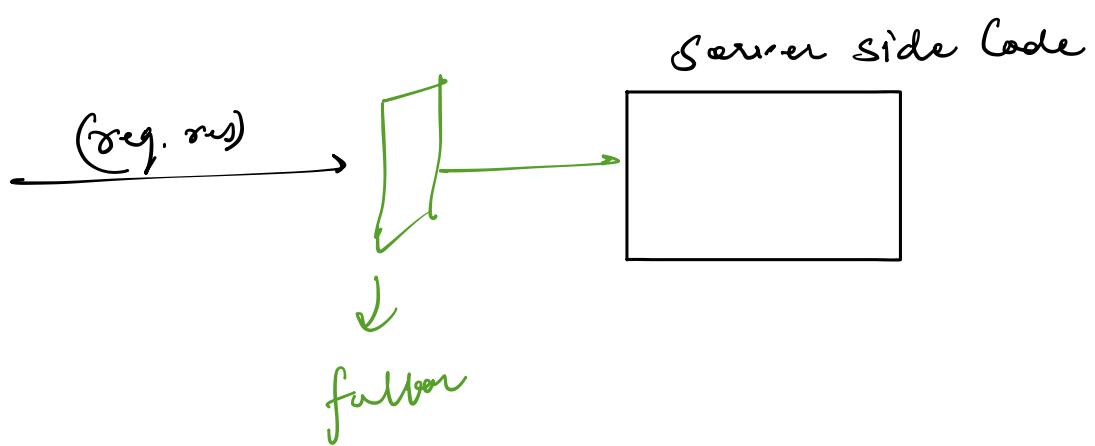
(1) Context :- Servlet Context have information about Servlet Containers.

(2) Container :- where our code is deployed and server runs

(3) Filters :- it accept (req, res), do some work like → connect "DB", logging, authentication

↳ then req. reach to actual Server

→ act like middleware.



→ क्या अब आप Interview में यहाँ  
कहना चाहते होंगे ?

"I am not able to recall  
right now but I have  
learned these things".

