

Dt : 3/1/2025

**imp*

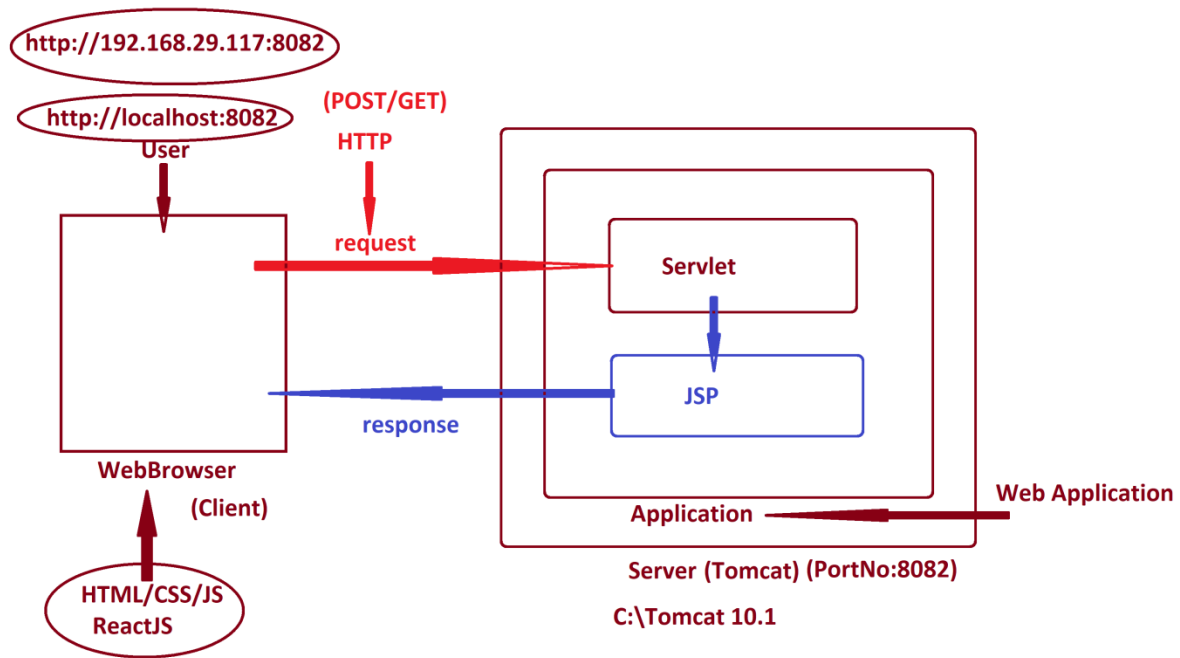
Servlet Programming:

faq:

define Servlet?

=>The Platform independent Java-Program which is executed in server environment and interacts with user through WebBrowser is known as Servlet Program or Server Program.

Diagram:



define Client?

=>Client means WebBrowser from where we raise request to server.

define Server?

=>Server means service-provider, which means accepts the request and provide the response.

=>Server will provide 'Web-Container' to execute Web-Applications.

=>According to realtime,servers are categorized into two types:

1.Web Servers

2.Application Servers

1.Web Servers:

=>Web Servers will provide only 'Web Container' to execute Web Applications.

=>Web Servers are preferable for static content data.(HTML)

=>Web Servers will accept the request from HTTP protocol.

Ex:

Tomcat

2.Application Servers:

=>Application Servers will provide both 'Web Container' and 'EJB Container' to execute Web Applications and Enterprise Applications.

(EJB - Enterprise Java Bean)

=>Application Servers are preferable for Dynamic content data.

=>Application Servers will accept the request from HTTP,RPC and RMI Protocols.

(RPC - Remote Procedure Call)

(RMI - Remote Method Invocation)

Ex:

WebLogic

WebSphere

***imp**

Installing Tomcat Server:

step-1 : Download Tomcat10-version from APACHE Organization WebSite

Link:

<https://tomcat.apache.org/download-10.cgi>

step-2 : Install Tomcat Server

While Installation process,

Select the type of install : Full (Click Next)

Server Shutdown port : 8089

HTTP/1.1 Connector Port : 8081 or 8082 or 8083 or ...

User Name : V

Password : nit

(Click Next)

step-3 : Start the Tomcat Server

=>To start Tomcat server click 'startup' or 'Tomcat10w' file from 'bin' folder of Tomcat

C:\Tomcat 10.1\bin

step-4 : Access the Tomcat Server from WebBrowser

http://localhost:8082

step-5 : Stop the Tomcat Server

=>To stop Tomcat server click 'shutdown' or 'Tomcat10w' file from 'bin' folder of Tomcat

C:\Tomcat 10.1\bin

