

**Dt : 19/10/2024(Day-20)**

**\*imp**

**Installing Tomcat Server:**

**step-1 : Download Tomcat10 version from 'APHACHE Organization'**

**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 ....**

**User Name : V**

**Password : nit**

**(Click Next)**

**C:\Tomcat 10.1**

**step-3 : Start the Tomcat Server**

**Click 'startup' or 'Tomcat10w' file from 'bin' folder of Tomcat to**

**start the server.**

**C:\Tomcat 10.1\bin**

**step-4 : Open WebBrowser(Client) check the Tomcat-server is**

**responding or not,using the following URL**

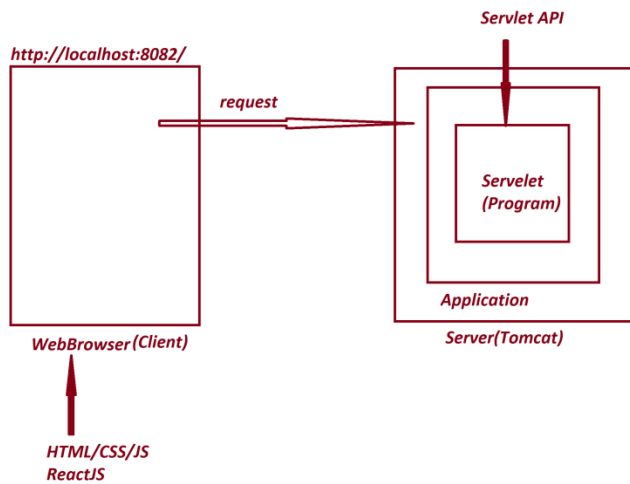
***http://localhost:8082/***

**step-5 : Stop the Tomcat Server**

**Click 'shutdown' or 'Tomcat10w' file from 'bin' folder of**

**Tomcat to stop the server**

**C:\Tomcat 10.1\bin**



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**Servlet API:**

=>'jakarta.servlet' package is known as Servlet-API from Tomcat10

version onwards.(up to Tomcat9 version we use 'javax.servlet')

=>This 'jakarta.servlet' will provide 'classes and interfaces'

used in Servlet application development.

=>'jakarta.servlet.Servlet' interface is the root of Servlet-API

=>The following are some important methods from 'Servlet'

interface:

1.init()

2.service()

3.destroy()

4.getServletInfo()

5.getServletConfig()

1.init():

=>init()-method is used to perform initialization process,which means making the programming components ready for execution.

Method Signature:

**public abstract void init(jakarta.servlet.ServletConfig)**

**throws jakarta.servlet.ServletException;**

2.service():

=>service()-method is used to take the request from user and provide the response.

Method Signature:

**public abstract void service(jakarta.servlet.ServletRequest,**

*jakarta.servlet.ServletResponse) throws*

*jakarta.servlet.ServletException, java.io.IOException;*

### **3.destroy():**

*=>destroy()-method is used to perform service-closing operations.*

*Method Signature:*

*public abstract void destroy();*

### **4.getServletInfo():**

*=getServletInfo()-method will hold servlet information.*

*(purpose of Servlet program)*

*Method Signature:*

*public abstract java.lang.String getServletInfo();*

### **5.getServletConfig():**

*=>getServletConfig()-method will hold configuration details.*

*Method Signature:*

*public abstract jakarta.servlet.ServletConfig*

*getServletConfig();*

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