

# Assignment No-1

MEERA
PAGE NO.:
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Name: Pagare Kajal Sunil.

Rollno: 26 Div: B

Class: TE.

Title - TOMCAT SERVER installation.

Objectives - 1. understand how to install tomcat server and set up environment variables.

Problem statement - Installation of Tomcat Server and configuration of it.

Outcome - Student will be able to,  
1. install TOMCAT server and configuration of it.

Software & Hardware Requirements -

1. Java 7 or later.

2. Apache Tomcat Server.

Theory - Concept.

Web Application -

A web application runs over the internet  
ex. eBay, Amazon, Google, Facebook etc.

A webapp contains five components.



1. HTTP server: example are - google web server, Apache HTTP server, Apache Tomcat Server, microsoft internet information server.
2. HTTPS client : examples are - internet explore, firefox, google, chrome, safari etc.
3. Database : examples are - mysql, Apache Derby, MSSQL server, SQL Lite, PostgreSQL, Commercial Oracle, IBM DB2, SAP SyBase, ms Access etc.
4. client-side program : It can be written in HTML form, VBScript, JavaScript, Flash etc.

A Web app is 3-tier client-server database application which run over the Internet. as shown in the following diagram.

1. To start a webapp, A user, issues a URL request via a web browser to HTTP server,
2. The HTTP server return an HTML form which is loaded into client browser.
3. The user fills up query data inside form & submits that form.
4. The client-side program sends the query parameters to server side programs.

## Apache tomcat.

Tomcat is an open-source project under the "Apache software foundation"

the mother site for Tomcat is <http://tomcat.apache.org>.

## Execution Steps.

1. Goto <http://tomcat.apache.org>.
2. Select tomcat version 8 from left side under download option or select a link 32-bit/64-bit windows service installer (Pgp, md5, sha1, sha512)
3. download and run '.exe.' files.
4. I preferred, installation of Tomcat at `C:\program Files (x86)\Apache Software Foundations`.
5. use the Default setting and provide a password that you will remember.
6. Now you will find the Tomcat install `C:\program Files (x86)\Apache Software Foundations\Tomcat 8.0`.

## How to Run Tomcat.

1. Find start program in the program menu. Look under Apache Tomcat and select "start Tomcat" or "startup.bat".
2. open any web browser and type in the URL.



## Tomcat's Directories

- bin : It contains the binaries : startup script, shutdown script, as well as other binaries & scripts.
- conf : It contains systemwide files such as server.xml, web.xml, tomcat.user.xml.
- lib : It contains Tomcat systemwide JAR files webapps.
- logs : It contains log files Tomcat.
- temp : Temporary files are store directory.

## How to set path for windows.

- Right-click on 'My computer' and select 'properties'.
- click the 'Environment variables' button under 'Advanced' tab.

Conclusion → Hence, we have learned how to install and configured tomcat server.