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* Title :- TOMCAT SERVER installation.

* Objective :- Installation of TOMCAT SERVER & configuration of it.

* Software & Hardware Requirement

1) Java 7 or later.

2) Apache Tomcat server.

* Theory :- Web Application :

A web application runs over the internet Ex. eBay, Amazon, Google, Facebook etc. A webapp contains five components :

1) HTTP Server : Examples are Google web server, Apache HTTP server, Apache Tomcat server, Microsoft Internet Information Server (IIS) etc.

2) HTTP client (web browser) : examples are internet explorer, Firefox, Google Chrome, Safari etc.

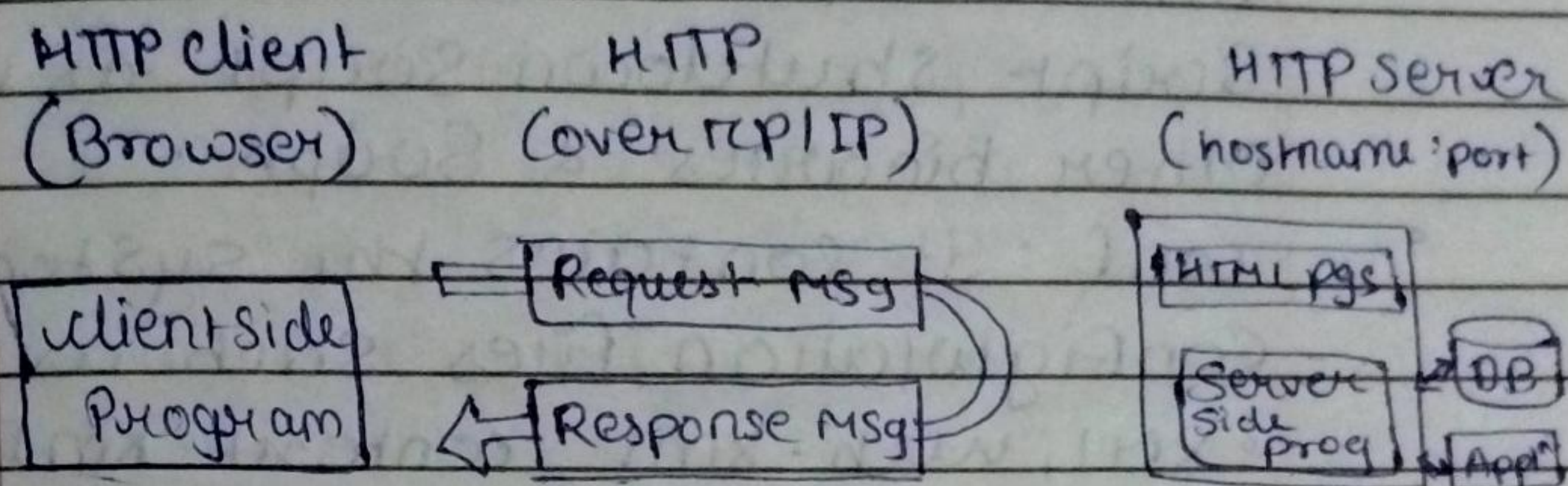
3) Database : Examples are MySQL, Apache Derby, MS SQL server, ~~SQL~~ PostgreSQL, commercial Oracle, IBM DB2, SAP SyBase, MS Access etc.

4) Client-side Program : It can be written in HTML form, VBScript, JavaScript, Flash etc.

5) server-side Programs : could be

written in HTML form, VBScript, Java-Script, Flash etc.

s) Server Side Program: could be written in Java Servlet/JSP, ASP, PHP, Perl, Python, CGI & other.



TCP/IP Network

| | |
|--------------|-------------|
| Application | HTTP |
| Presentation | SSL |
| Session | |
| Transport | TCP |
| Network | IP |
| Data link | IEEE802.11x |
| Physical | |

Fig:- Three tier client Server Architecture

Apache Tomcat :-

Tomcat is an open source project under the Apache software foundation. The other side for tomcat is <http://tomcat.apache.org>. Alternatively you can find tomcat via the

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apache mother sit

- Tomcat Directives :-

It contain the following sub-directories

- bin: It contains the binaries start script, shutdown script as well as other binaries & scripts.
- conf: It contains the system wide configuration files such as server.xml, web.xml, context.xml.
- lib: It contain the tomcat's system wide JAR file, which can be accessible by all web apps.
- logs: It contains log files of tomcat. Also you can check error msg here.
- web apps: It contains the web apps to be deployed you can also place the WAR file for deployment here.
- work: Tomcat working directory used by JSP, for JSP to servlet conversion.
- temp: Temporary files are stored in this directory.

* Conclusion:

Hence, we have learned how to install & configure tomcat server.