* **Apache Tomcat server:**
* A web server is a software application that hosts, serves, and manages websites, web applications, and other web-based services over the internet or a local network.
* It listens for incoming HTTP requests from clients, such as web browsers, and responds with the requested resources, such as HTML pages, images, videos, and other files.
* **Types of web servers:**
* Apache http server
* Nginx
* Microsoft IIS
* Lighttpd
* Glassfish
* **What is tomcat?**
* Apache tomcat is a popular web server.
* It is free and open source.
* Developed by Apache software foundation.
* It is web server and servlet container.
* Its widely used platform for building web applications and hosting websites.
* Servlet container means: tomcat provides a servlet container that enables you to run java-based applications.
* **Features of tomcat:**
* Free and open source
* Lightweight
* Cross platform
* Servlet container
* No fuss
* Production grade
* Build is nothing but automate the packaging applications
* We can run the packages by using tomcat.
* **Tomcat server directory structure:**
* Bin
* Conf
* Lib
* Logs
* Web apps
* Work
* Temp.
* **Advantages of Apache tomcat:**
* Open source
* Highly scalable
* Flexible
* Security
* Large community
* Support for java-based web applications
* Easy to configure
* **Disadvantages:**
* Complex architecture
* Not suitable for small applications
* Can be difficult to troubleshoot
* Requires java runtime environment.