**Week 11 and 12 : Spring Framework**

Java

J2SE J2EE J2ME

JavaSE JavaEE JavaME

JSE JEE JME

Standard edition Enterprise micro

Core Java Edition edition

JEE : Servlet, JSP (Java Server Pages ) and EJB (Enterprise Java Bean)

http/https(req)------🡪

Client server

🡨---------http/https(res)

Html

Css

Bootstrap

JS

Typescript

Angular

JEE

Spring Framework(Spring boot)

Asp.net

Php

Python

Node JS

Servlet : Servlet is a normal Java Program which help to create the dynamic web page on server side.

2 types of Server

Web Server : Tomcate (Apache company),

Application Server : Web Logic, JBoss, Glashfish etc.

In JEE , Servlet, JSP or EJB. These application doesn’t contains main method. Inside a Server it may be web server or application server. It contains container. Container is like an engine or run time environment responsible to execute servlet, jsp and ejb program. (load the class, create the object, call the life cycle methods and destroy the object).

Container are divided into two types

1. Web container : if server is type of web server it contains only one type of container ie web container. Which is responsible to execute servlet and jsp program.
2. Ejb container : it server is application server it contain different types of container ie web container, ejb container, jms container etc.

Application server provided extra features like thread management, resource management, connection pooling, security etc.

To run simple servlet program we need server ie may be web server or application server.

Servlet interface : 5 methods. Init, service, destroy, getServletInfo and getServletConfig

Life cycle method of servlet is init, service, and destroy

GenericServlet : it is a type of abstract class which internally implements Servlet interface and provided body for all method except service method.

HttpServlet : HttpServlet is a type of abstract class which internally extends GenericServlet and override all method and provided some extra method in the form of doXXX like

doGet, doPost, doPut and doDelete.

Tomcat by default port number 8080

**URL**

<http://localhost:8080/SimpleServletProgram>/Hi

RequestDispatcher : It is a interface which provide set of method which help to navigate from one page to another page.