Day 1 : 10 Sep 2024

Java is platform independent and pure object oriented programming language.

J2SE J2EE J2ME

JavaSE JavaEE JavaME

JSE JEE JME

Java Standard edition Java Enterprise Edition Java Micro Edition

Using JSE we can create desktop or standalone application. The application running on only single machine is known as desktop application.

Basic java programming

OOPs concept, object, class, Encapsulation, polymorphism, abstract and inheritance etc.

Exception handling to handle to error

Multi threading optional

Io package

Collection framework like data structure.

Jdbc to connect database like mysql or oracle.

JEE : Servlet, JSP (Java Server pages) and EJB (Enterprise Java Bean) etc.

Using servlet, jsp and ejb we were/are creatine enterprise level web application using java technologies.

JME : Java micro edition : android is base upon java technologies.

Framework : Framework provided set of api (application programming interfaces). It can class or interfaces. Which internally connected with each other to perform specific task. Design pattern: best practise or solution for repeating problem. Singleton design pattern(creating only one object of any class). factory design pattern (the method responsible to create the object etc). The implementation of design pattern taken care by framework. Framework is like a template or protocol etc. framework takes are 70 to 80% task. But framework is not final product it prototype. Now we need to write 20 to 30% code to complete project.

Angular framework

.net framework

Django with python framework

View -🡪 HTML or JSP (Java Server pages)

Controller -🡪 Servlet

Model -🡪EJB (Enterprise Java Bean) or normal java classes.

Struts framework : Stuts is an open source web framework provided by Apache.

Which internally follow MVC (model view controller) design pattern. They provided lot of classes to improve view layer, controller layer and model layer. Struts is known as control centric framework.

JSF framework

Spring Framework