

15 January 2025 10:10

Java Core Day 1

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What is java?

Translator

Compiler/Assembler

Machine

Assembly

ALU, ALU, ALU

English

Byte code

Class

Java

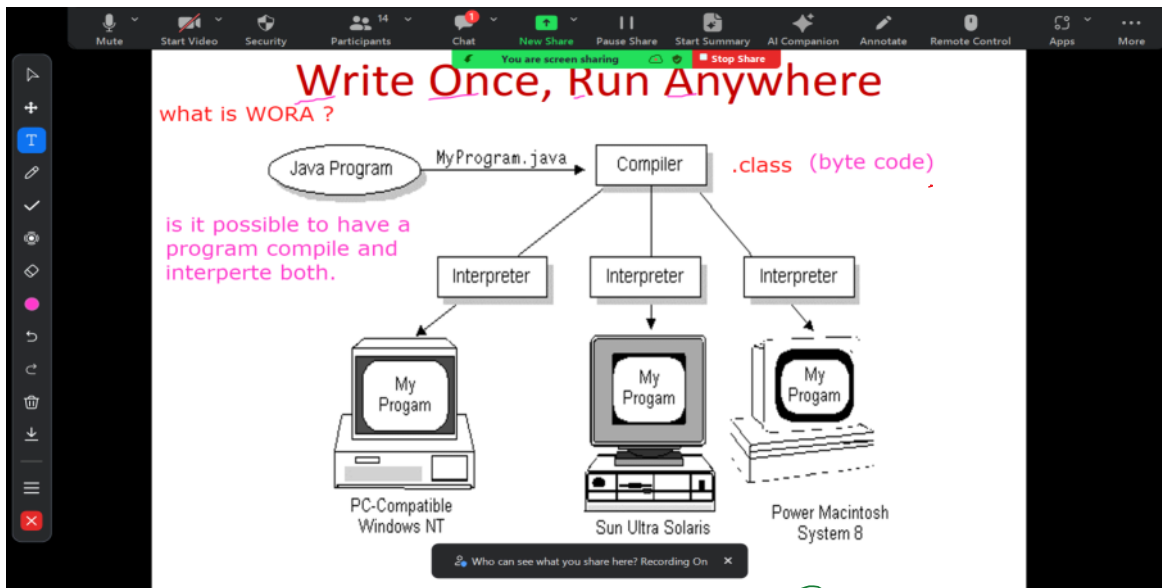
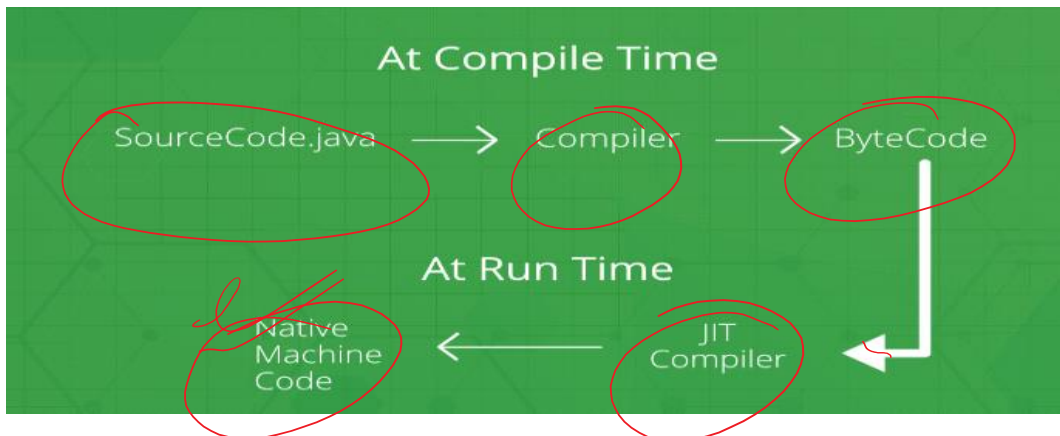
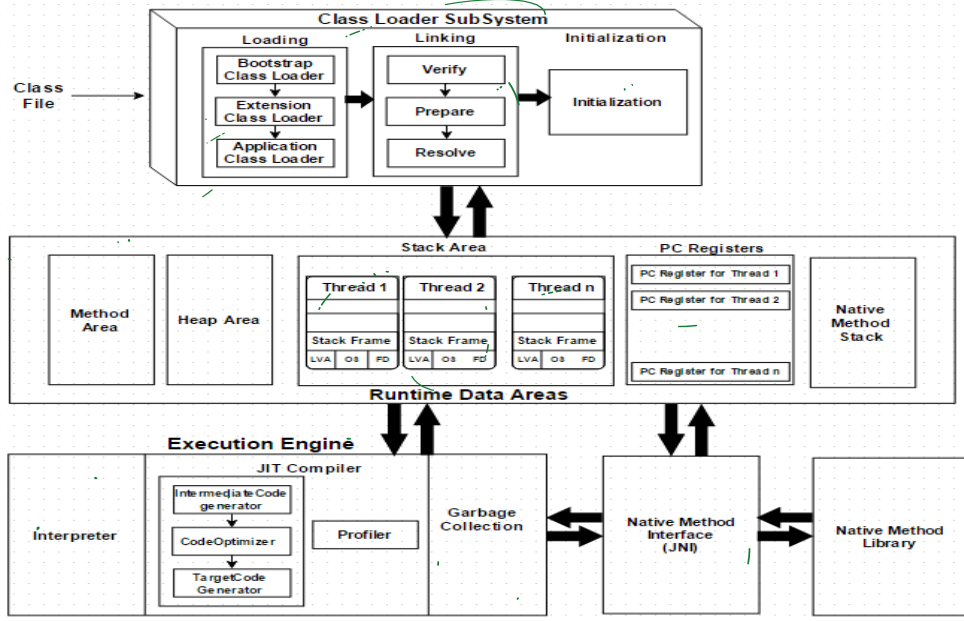
The concept of OOPS are -

1. Abstraction
2. Encapsulation
3. Inheritance
4. Polymorphism
5. Class
6. Object

- Java is an object oriented programming language. It has syntax similar to C and C++ languages, but has vastly improved features.
- Java is platform independent.
- Java platform provides a complete environment for application development on desktop and servers and for deployment in embedded environment.
- Java is a **Programming language** and a **platform**.
- Java is a high level programming language
- **Platform** - Any hardware or software environment in which a program runs, is known as a platform. Since java has a runtime environment (JRE) and API, it is called a platform.
- **API (java application interface)** - is a list of all classes that are the part of the JDK. It includes all java packages, classes, interfaces along with their fields, methods and constructor.
- A complete listing of all classes in JavaAPI can be found at oracle website:
<http://docs.oracle.com/javase/7/docs/api>
- These prewritten classes provide a tremendous amount of functionality to a programmer.
- A programmer should be aware of these classes & should know how to use them.

There are mainly 4 types of applications that can be created using java programming :-

1. Standalone Application - J2SE - Java 2 Standard Edition
 2. Web Application
 3. Enterprise Application
 4. Mobile Application
- J2EE - JAVA 2 ENTERPRISE EDITION**
- J2ME - JAVA 2 MOBILE EDITION**



public static void main(String args[]){

}

System.out.println("...");

