

## Java Course By CodeWithHarry

Java is an Object Oriented programming language developed by Sun Microsystems of USA in 1991

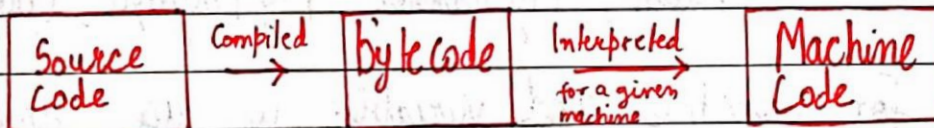
It was originally called Oak by James Goslin

↳ one of the inventors of Java!

JAVA = Purely Object Oriented

How JAVA Works?

Java is compiled into the bytecode and then it is interpreted to machine code



## JAVA Installation

Go to Google & type "Install JDK" ⇒ Installs JAVA JDK

Go to Google & type "Install IntelliJ Idea" ⇒ Installs JAVA IDE

JDK → JAVA Development Kit = Collection of tools used for developing and running Java programs

JRE → JAVA Runtime Environment = Helps in executing programs developed in JAVA



## Basic Structure of a Java Program

```
package com.Company; → Groups classes!  
  
public class Main {  
    public static void main (String[] args) {  
        System.out.println ("Hello World");  
    }  
}
```

Entrypoint into the application

## Naming Conventions

→ For classes, we use Pascal Convention. First and subsequent characters from a word are capital letters (uppercase)

Example:

Main, MyScanner, MyEmployee, CodeWithHarry

→ For functions and variables, we use camelCase Convention. Here first character is lowercase and the subsequent characters are uppercase like below:

main, myScanner, myMarks, CodeWithHarry