Introduction
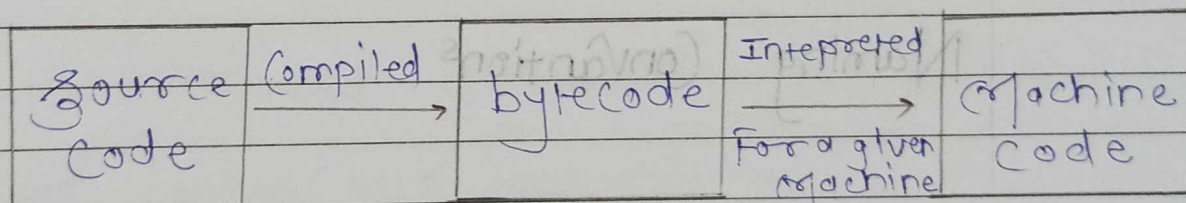
Java is an object oriented programming language developed by Sum microsystem of USA in 1991.

It was originally called Oak by "James Goslin"

Java = purely object oriented

How Java works

Java is compiled by into the bytecode & then it interpreted to machine code.

Source Code	Compiled ⟶	bytecode	Interpreted ⟶ For a given Machine	Machine code

Java Installation:

jdk - java Developement Kit = Collection of tools used for developing & run program

JRE = Java Runtime Environment = Help in excuting program developed in java.

Basic Structure of Java

package Com.Company ⟶ Groups Classes.

```
public class Main {
    public static void main (string [] args) {
        system.out.println (" Hello World");
    }
}
```

Naming Convantions

• for Classes, we use pascalCase Conversion.
  Example: CompanyEmployee.

• for function & variable, we use carmelCase Conversion.
  Example CompanyEmployee.

Just like we have some rules that we follow to speak english (the grammar)