

# Java - Introduction to Programming

## Lecture 1

### Installation & First Program

#### 1. Install Java

a. Install JDK (<https://www.oracle.com/in/java/technologies/javase-downloads.html>)

b. Install IntelliJ (<https://www.jetbrains.com/idea/download/#section=mac>)

OR

b. Install Visual Studio Code (VS Code) - Prefer THIS

(<https://code.visualstudio.com/download>)

#### 2. Sample Code

##### Functions

A function is a block of code which takes some input, performs some operations and returns some output.

The functions stored inside classes are called methods.

*The function we have used is called main.*

##### Class

A class is a group of objects which have common properties. A class can have some properties and functions (called methods).

*The class we have used is Main.*

#### 3. Our 1st Program

```
public class Main {  
  
    public static void main(String[] args) {  
        // Our 1st Program  
        System.out.println("Hello World");  
    }  
}
```