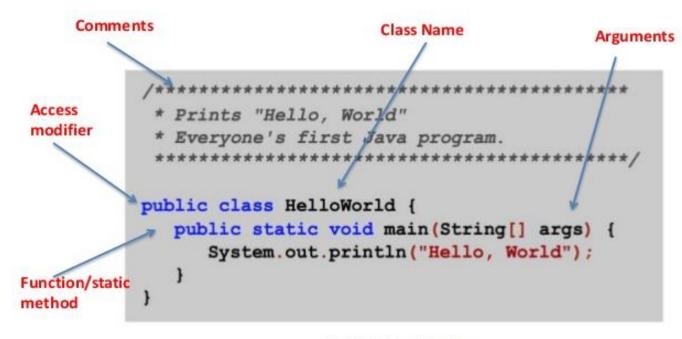
Core Java

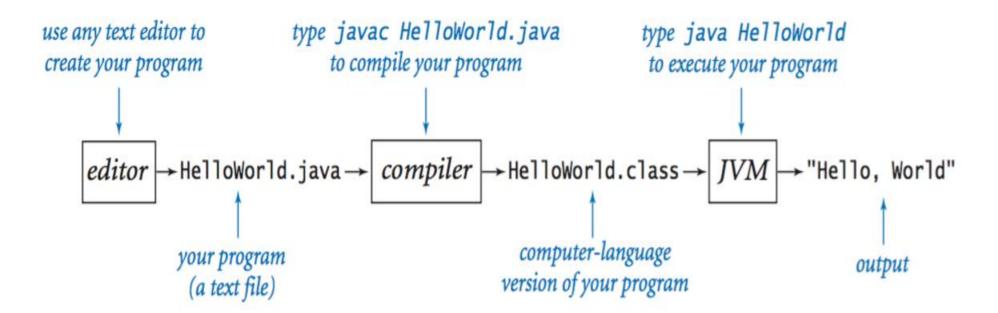
By Himanshu Jain

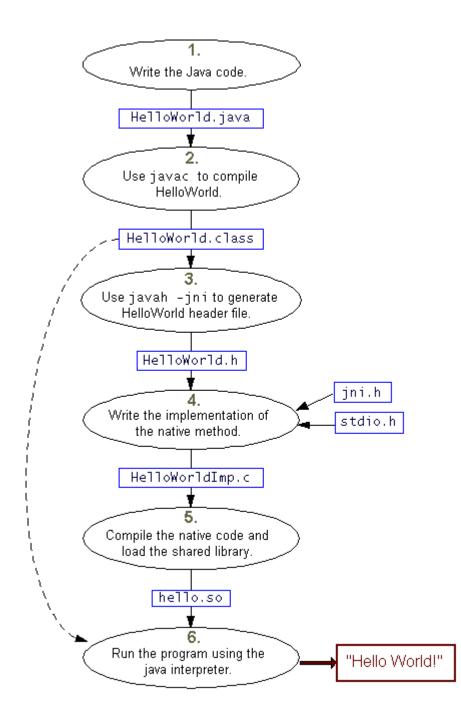
Agenda

- Environment setup for java
- Java IDE : Eclipse Introduction
- JDK structure understanding
- Java programming : CMD v/s IDE based
- Hello World program using CMD and IDE
- Introspect Hello world program
- Is main method compulsory in Java?



HelloWorld.java





Is main method compulsory in Java?

```
// This program will successfully run
// prior to JDK 5
public class Test
{
    // static block
    static
    {
        System.out.println("program is running without main() method");
    }
}
```

You could write your full code under <u>static block</u> and it ran normally.

The static block is first executed as soon as the class is loaded before the main(); method is invoked and therefore before the main() is called. main is usually declared as static method and hence <u>Java doesn't need an object to call main method</u>.

However, From JDK6 main method is mandatory. If your program doesn't contain main method, then you will get a run-time error "main method not found in the class".

If run prior to JDK 5

program is running without main() method

If run on JDK 6,7,8

Error: Main method not found in class Test, please define the main method
 public static void main(String[] args)



