CYDEO

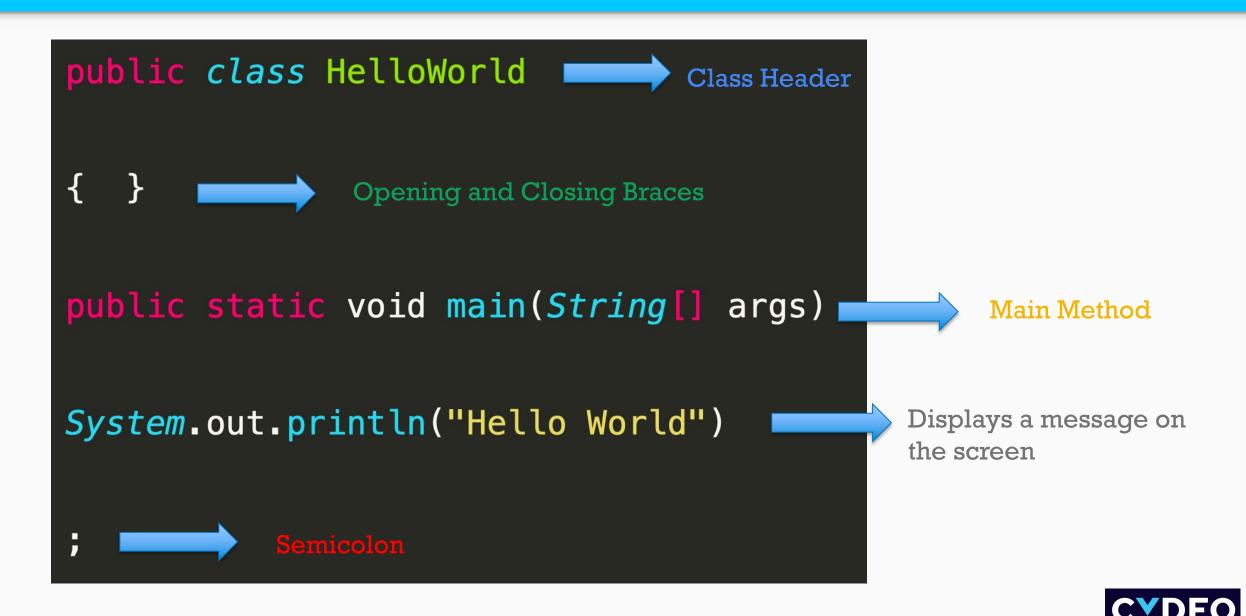
First Java Program: Hello World

Printing to Console

```
public class HelloWorld {
    public static void main(String[] args) {
        System.out.println("Hello World");
```



Printing to Console



main() method

- Every Java application must contain a main method.
- When the Java interpreter executes an application, it starts by calling the class's main method

public static void main(String[] args){}



println() method

- Used for printing data on the console
- Appends a newline at the end of the data output

System.out.println("Hello World!");



print() method

- Used for printing data on the console
- Does not Appends a newline at the end of the data output

System.out.print("Hello World!");



println() vs print()

• System.out.println(): Appends a new line at the end

System.out.print(): Does not append new line

Example	Output
System.out.print("one"); System.out.print("two"); System.out.println("three");	onetwothree
System.out.println("one"); System.out.println("two"); System.out.println("three");	one two three
System.out.println();	[new line]



Task 1

- 1. Create a class called JavaComponents.java
- 2. Print the full form of each of the followings:
 - 1. JDK
 - 2. JRE
 - 3. **JVM**

Task 2

- 1. Create a class called PrintExecution.java
- 2. Write a code to print following outputs in the console:

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Task 3

- 1. Create a class called MyClassmates.java
- 2. Print five of your classmates' names on the console

Single Line & Multi Line Comments

Comments

- Java comments can be used to make the code more readable.
- Single line comments are often used for short descriptions of what the code is doing.
- Multi line comments are often used for descriptions of how the script works, or to prevent a section of the script from running when testing it.

Single Line Comment

 Anything that follows two forward slash characters // on that line will not be processed.

```
//Java program to show single line comments
class Comment
{
    public static void main(String args[])
    {
        // Single line comment here
        System.out.println("Single line comment above");
    }
}
```

Multi Line Comment

 To write a comment that stretches over more than one line, you use a multi-line comment, starting with the /* characters and ending with the */ characters

```
//Java program to show multi line comments
class Scomment
    public static void main(String args[])
        System.out.println("Multi line comments below");
        /*Comment line 1
          Comment line 2
          Comment line 3*/
```