

## Java Cheat sheet

Java is a high-level, class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible which is owned by Oracle.

- Java works on different platforms (Windows, Mac, Linux, Raspberry Pi, etc.)
- It is one of the most popular programming language in the world
- It has a large demand in the current job market
- It is easy to learn and simple to use
- It is open-source and free
- It is secure, fast and powerful
- It has a huge community support (tens of millions of developers)
- Java is an object oriented language which gives a clear structure to programs and allows code to be reused, lowering development costs
- As Java is close to [C++](#) and [C#](#), it makes it easy for programmers to switch to Java or vice versa

Simple Hello world java app:

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

**MAIN METHOD:** `public static void main(String[] args)`

**DISPLAY/OUTPUT:** `System.out.println("Hello World");` //INSERTS NEW LINE

`System.out.println("Hello World");` //DOES NOT INSERT NEW LINE

`System.out.println(50000);` //NUMBERS CAN BE DISPLAYED WITHOUT QUOTES

**DATA TYPES:**

**PRIMITIVE TYPES:** java defines eight primitive types of data:

byte, short, int, long, char, float, double, and boolean.

