

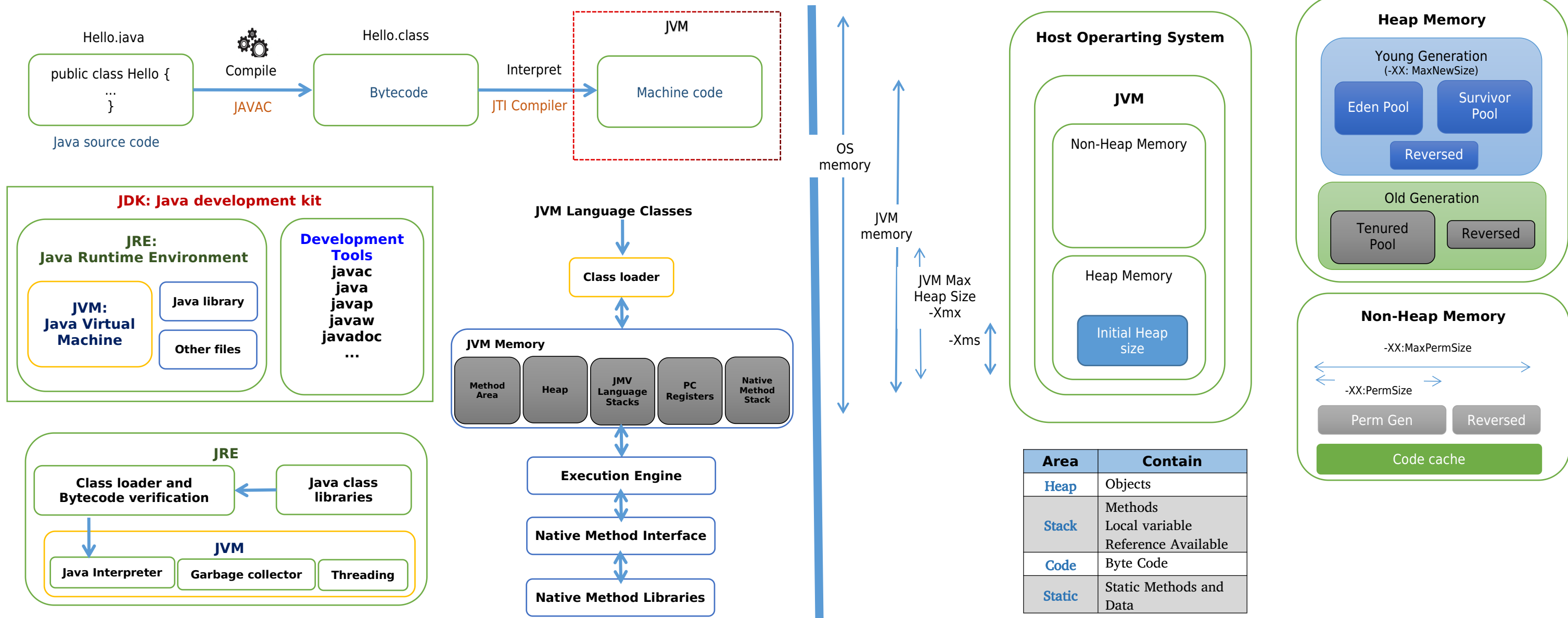


# How it works

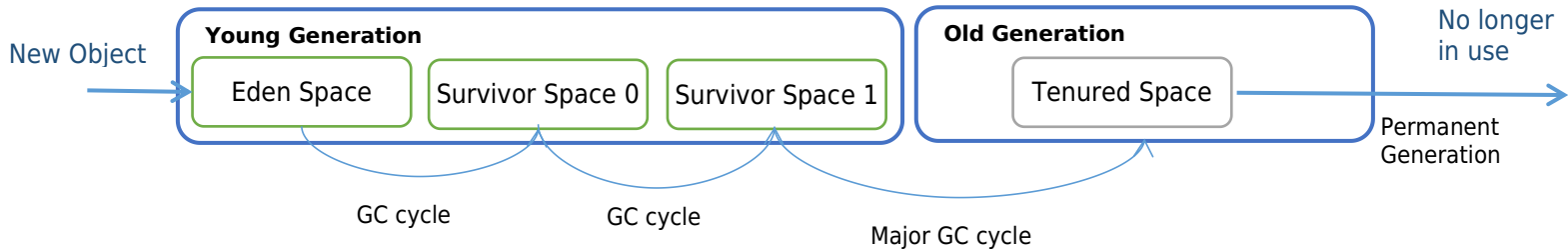
## Java:

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

Github: [hieunguyeu810](#)



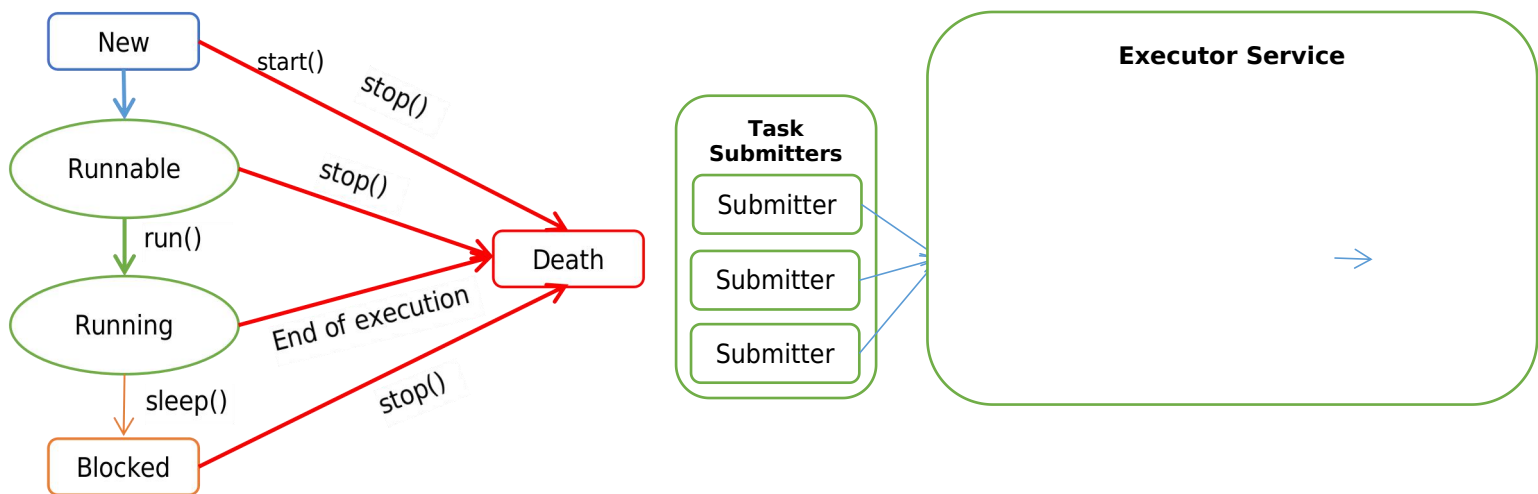
## Garbage Collector



Single GC	Single thread environment--> Simple CMD line program	-XX: +UseSerialGC
Parallel GC	Multiple thread --> If application can handle such pauses and try to optimize overhead	-XX:+UseParallelGC
Concurrent Mark Sweep (CMS) GC	There are multiple threads that are used to mark instances for eviction and then sweep the marked instances from the heap memory --> CMS collector uses more CPU than the parallel garbage collector. Because it gives better performance to the application	-XX:+UseParNewGC
G1 GC	Used for large heap memory areas. The newest garbage collector is intended as a replacement for CMS. G1 also compacts the free heap space on the go just after reclaiming the memory	-XX:+UseG1GC

## Thread

## Thread Pool



## Heap and Stack

