

- It is an automatic memory management technique in java.
- In C++ language, programmer is responsible to allocate as well as de-allocate the memory otherwise it is automatically done by garbage collector.
- In java language, programmer is only responsible to allocate the memory. Memory de-allocation is automatically done by garbage collector.
- Garbage Collector is a daemon thread which is responsible to delete the gc-able objects from the heap memory. It scans the heap memory and identifying which objects are eligible for garbage collection. (THE OBJECTS WHICH DOES NOT CONTAIN ANY REFERENCES, ONLY THESE OBJECTS ARE ELIGIBLE FOR GC)
- It internally uses an algorithm called Mark and Sweep algorithm to delete the un-used objects.
- As a developer we can also explicitly call garbage collector by entering the following code
System.gc();