**INTERVIEW QUESTIONS**

The **garbage collector uses a mark-and-sweep algorithm** to mark all unreachable objects as garbage collection, then scans through live objects to find objects that are still reachable.

The main objective of Garbage Collector is to free heap memory by destroying **unreachable objects**.

* The in-use object is the one which is used or pointed by some ref variable.
* An unused or unreferenced object is no longer referenced by any part of your program.

Minor or incremental Garbage Collection: It is said to have occurred when unreachable objects in the young generation heap memory are removed.

**Eligibility for garbage collection:**An object is said to be eligible for GC(garbage collection) if it is unreachable. After i = null, integer object 4 in the heap area is suitable for garbage collection in the above image.

Integer i = new Integer(4);

// the new Integer object is reachable via the reference in 'i'

i = null;

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