Lorem Ipsum!!!

- Lorem Ipsum

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

Heap Manager $\leftarrow$ Memory Manager
Garbage Collector

a) Memory Manager:
- The 2 fns of memory manager are
  (i) Allocation - To allocate memory when required
  (ii) Deallocation - To deallocate memory when program has
    executed.

Properties of memory manager are
- Space efficiency
- Program "
- Low overhead

(b) Garbage Collector:
- Reference Counting: The simplest method is to give each
  object a reference count.
  - If object has no reference, it is collected and space
    become available.

- Trace based:
  - It is divided into 2 types:
    - mark and sweep
    - mark and compact
  - 4 states of memory chunks are free, unreached,
    unscanned, and scanned