

· GC is a feat. of jana who is used to release unused m/m.

How is m/m allocated & released for data members / variables

- ·PDT r static data members. There m/m is allocated at somfile time.
- obj, str, arr are set var dynamic data members. M/m is allocated at run time.
- · For static data members m/m allocation is done autor by OS.
 - . The static members v also destroyed auto y by
- . However for dy data members, m/m allocation needs to be done by user using new operator
- · Similarly for dy: data members, m/m is released by the GC when they r no longer needed.

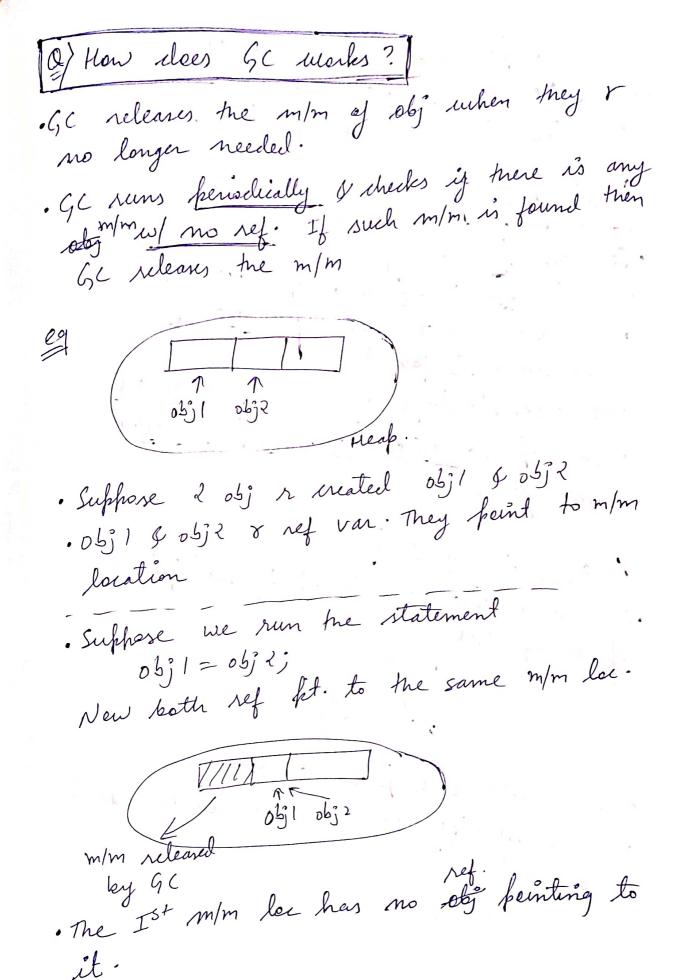
For static var:Allocation. I done by 05
m/m released

For data members: dy. var: -.
Allocation - done unin.

Allocation -> done using new opr.

m/m released -> auto y by GC when no longer

needed.



· GC runs periodically & impredictably · When GC runs it finds no ref to the Ist m/m lac · So GC releases that m/m.

[Reat of GC]

· It runs periodically

· It is unpredictable when it will run.

. It releases them m/m when no ref. to the m/m is found.

· It releases / destroys dy. objects, strings, an.

· It helps to <u>automate</u> of <u>improve</u> m/m management

Another eg. of GC

. M/m can also be released by multiplication of a ref var.

ازطه

· Obj 1 & obj2 both faint to some m/m loc.

· If we mullify sløj!, then jit will be released by GC

obji = NULL'

obj! ref NULL
var beints
to NULL
so this m/m will be released.