not reachable and not marked

which also means will be not reachable, they are not wed. Not marked objects marked. objects will be all reachable the mark phase, At the end of

and marked reachable

N root set, and through references it can reach marks the objects Starts from the During the mark phase, the collector

MARK PHASE

the collector cleans up the puring the sweep phase, unmarked objects. SWEEP PHASE

the unused objects used ... and frees the space to occupy!



The collector unmarks the objects so it can repeat

mark and sweep later.

eventually run out of memory!

The program would allocate new objects, but doesn't stop

Even with garbage collection,

programs can still "leak", and

the collector can't recycle memory.

referencing old objects, so

be used to store other objects! The freed space can now

it is no longer

no langer referenced.

Once an object is

collection.

"garbage

space. This

free up of Foundam

clean the

real, the computer has to

is called

my-object.buddy = new Buddy ()

An example: objects! reference other

Space in the memos. An object may

... and the objects will take up

object it creates objects... As a program runs,

object

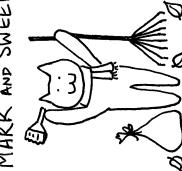
blank memory. This is a

the unused objects, and frees "tracing parbage collection". One type of garbage collection the space they used to occupy. which objects are still in use.

\* Sweep: The collector deallocates + Mark: The collector determines two phases: This type cleans memory in which is a kind of is called "Mark and Sweep",

where infinite memory is not Because we live in a world your computer: s working with. Memory holds the data does something, it uses memory! Whenever a computer program

- MARK AND SWEEP COLLECTION! GARBAGE



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