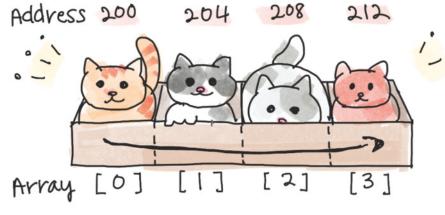
Data Structures

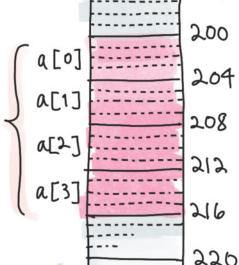
Array & Linked List

a linear data structure. stoved in contiguous memory locations.



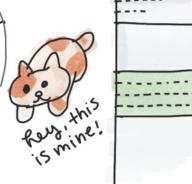
196





- VASSume each bis an integer = requires 4 bytes space
- ▼ The array of

 → must be allocated contiguously!
 - \rightarrow address 200 216



meh!

224

228

Byay!

can randomly access w/ index

a[2] - (1.5)



Contiguous = no extra memory allocated= no memory overflow

@ fixed size. Large space may not be avail for big array

= took the space! =

@ Insert + delete elements are costly.

-> may need to create a new copy of the array + allocate at a new advess.