Do participate in the contest tomorrow! Will show the link on Discord Time > 4:00 PM

L8
Linked List: Intuition and Implementation

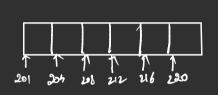
Join Discord - https://bit.ly/ly-discord

RECAP



Let's start with Arrays

integer avray



1) Random access

V
(1)

2) Insert/Delete from an index

O(N)



What's the problem?

- 1) Insution Deletion takes time.
- 2) The space required for an Array needs to

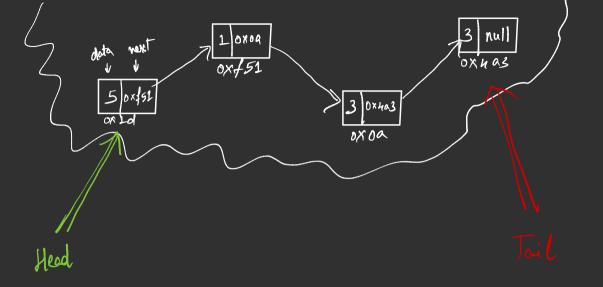
Deleting a picture from a gallery of 1000s of pictures and 100s of videos



Let's understand Linked List

The idea:

A bunch of nodes that contain data, and those are **linked** to each other **sequentially**



Everything has its goods & bads

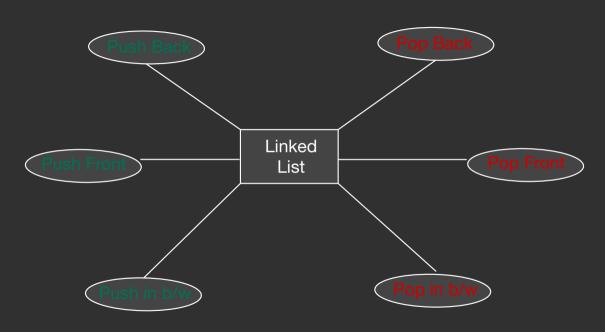
Good = Fisetin Delete get better

Bad >> Random Access takes time.

Java class Node & int data; 3 Node nexti des 26 Node head,

The Structure C-1+ class Node & jut data; Node * next; du US Node a lued jut buyth;

U LearnYard





ON X E public: update(put x) }

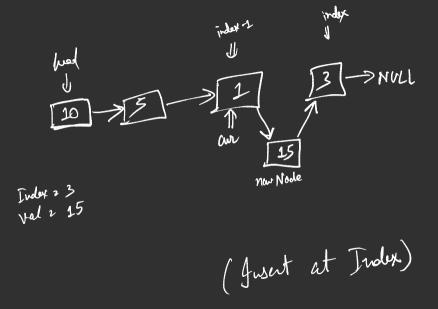
you'd update(put x) }

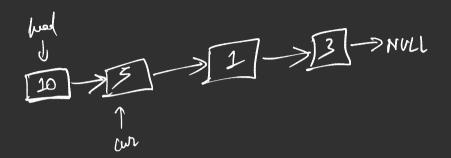
Yuis > X 2 X 1 Let's implement

add At Head ()



newHead next = this. head; this - head = new Heady





- moler 22

(Delete at Index)



Other types?

1) Doebly LL

Circular LL

Thank You!

Reminder: Going to the gym & observing the trainer work out can help you know the right technique, but you'll muscle up only if you lift some weights yourself.

So, PRACTICE, PRACTICE!

