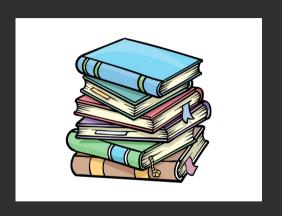
## L41 Stack : Intuition & Implementation

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

**RECAP** 



Ever heard of the word 'Stack'?





Works on a principle called LIFO

LAST IN FIRST OUT



Some Real Life Examples?



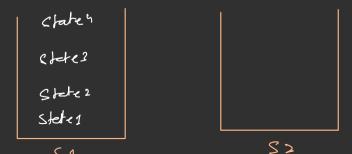
Shelis

State 9 State 3 State 2 State 1

1. Undo Operation

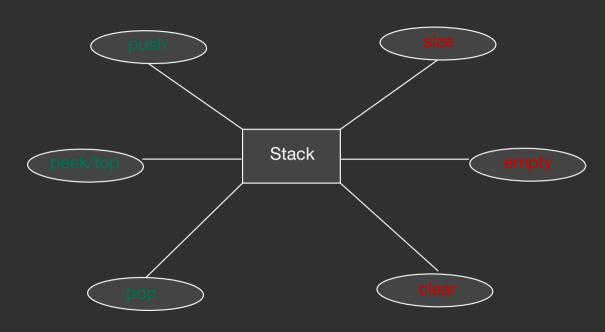


## 2. Can we do Redo as well?



**U** LearnYard

3. Our very own Call Stack



How to implement?



AMays i=-1

3 **456** 

if ( empty(,) sets -1; Push

int ele = acis;

y ( i == n-1) setur 0;

osli1= elc; retur 1; Size

setus etc;

clear

return acsis;

M = 9

empty setun i+1; i=-1; setur i==-1; **U** LearnYard 1. Using a Dynamic Array

2. Using a Linked List



new-node-next=heal. head = new-made;

Time Complexity Analysis of different functions



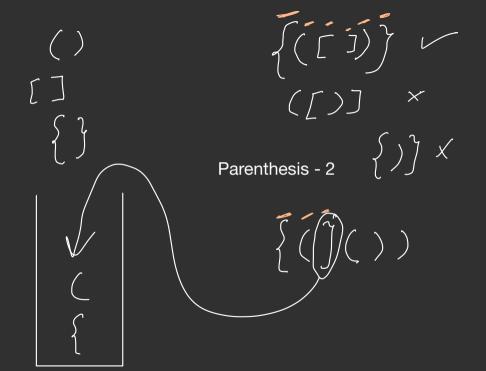
What exactly is a Stack?
A data structure?
A concept?

There is stack in-built also. Both in C++ & Java

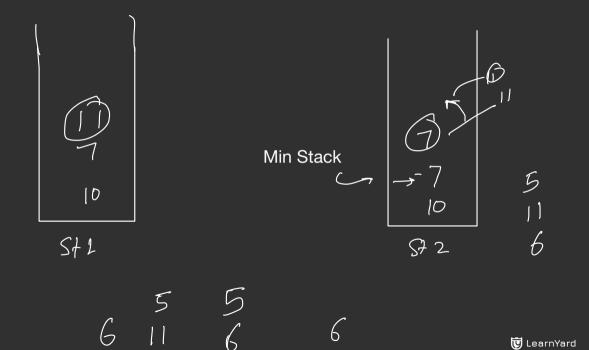
Let's do some practice











## 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!

