Let's begin at 9:02 PM.

L43
Queue & Deque : Intuition & Implementation

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

RECAP

Ever stood in a queue?



Queue is basically the thing that starts wherever I stand

Remember Demonetization?



Queve at McD for Burger.



Works on a principle called FIFO

FIRST IN FIRST OUT



Some Real Life Examples?



1. Flash Sales



2. Task Scheduling

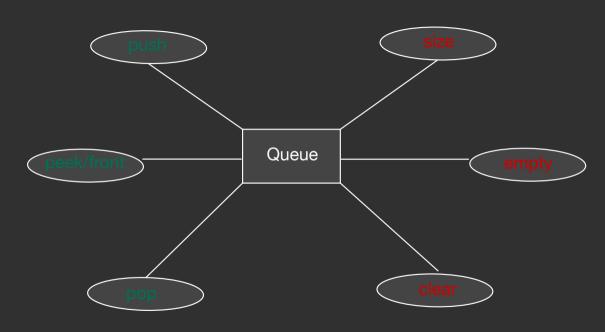
push

P. P. P. R. B. (har tob) Push

tack

Quene







How to implement?

1. Using a Dynamic Array

2. Using a Linked List











-> nul

Time Complexity Analysis of different functions



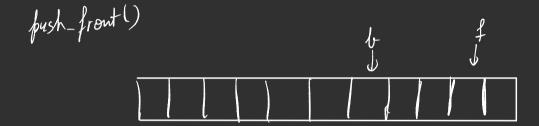
What exactly is it? A data structure? A concept? Better to call it a comment opinion) There is queue in-built also. Both in C++ & Java

What is deque? (pronounced 'deck', acc, to C++
documentation) Doubly-ended Queve. bush-front (news) Po Pr P2 P3 P4 Prew

LearnYard

It's a doubly ended queue.

Intuition to implement using Array



Using Linked List?



Let's do some practice



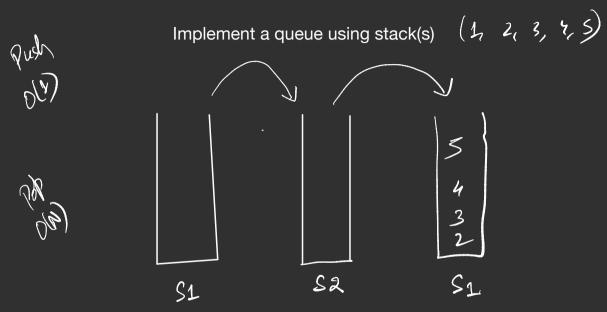
Implement a stack using a queue

Pole Perk D (1)

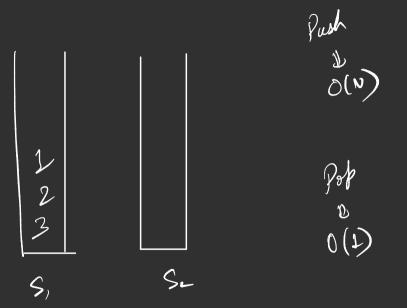
lean me do using 1 queue only?

92 1,2,3,4

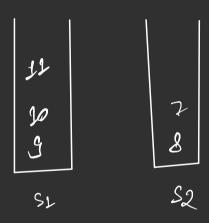
Size -5

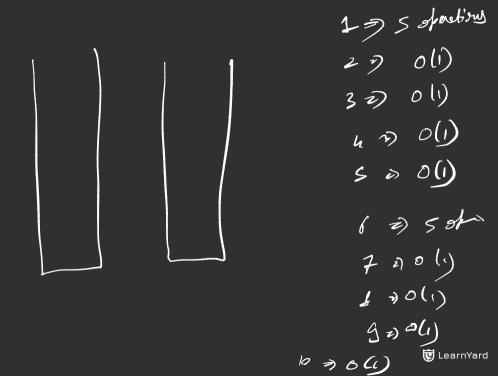












Push | Bob | Push | Pop | Push (Pop _ - - -





Time Complexity

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!

