L22 Arrays - Practice 2

Please don't forget to join the doubt session tomorrow (11th Feb, Sun) at **9 PM**.

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

Recap

- 1. Did the time complexity analysis for dynamic arrays push_back/add operations
- 2. Did some practice
 - a. https://leetcode.com/problems/max-consecutive-ones/description/
 - b. https://www.geeksforgeeks.org/problems/max-sum-subarray-of-size-k5313/1

Merge 2 sorted arrays.

nums1=[1, 5, 6, 10,0,0,0,0,0]

Muportanet Concept

$$[1, 2, 2, 3, 5, 5, 6, 6, 6, 10]$$
 $[1, 2, 2, 3, 5, 5, 6, 6, 6, 10]$
 $[1, 2, 2, 3, 5, 5, 6, 6, 6, 10]$
 $[2, 2, 2, 3, 5, 5, 6, 6, 6, 10]$

nums1 =
$$[1, 5, 6, 10, 0, 0, 0, 0, 0]$$



nums! = [1, 5, 6, 10, 0, 0, 0, 0, 0]
$$M=4$$

num! = [2, 2, 3, 5, 6, 6] $N=6$



Prefix Sum Array

Prefix Max Array?



Given an array and M queries, each query will have an index i, we need to find max of all array elements except a[i];

M24

4

7

6

3

andz

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!

