# Tasks/HW

21 May 2020 C

\*Tasks - May 20\*

Level - 1 Questions (Array)\*

https://practice.geeksforgeeks.org/problems/sum-of-array-elements/0

https://practice.geeksforgeeks.org/problems/print-alternate-elements-of-an-array/1

https://practice.geeksforgeeks.org/problems/print-the-left-element/0

https://practice.geeksforgeeks.org/problems/check-if-an-array-is-sorted/0

https://practice.geeksforgeeks.org/problems/find-triplets-with-zero-sum/1

Level - 2 Questions (Array)\*

https://practice.geeksforgeeks.org/problems/fascinating-number/0

https://practice.geeksforgeeks.org/problems/rotate-array-by-n-elements/0

https://practice.geeksforgeeks.org/problems/sum-of-fai-aj-over-all-pairs-in-an-array-of-n-integers/0

https://practice.geeksforgeeks.org/problems/count-pair-sum/0

https://practice.geeksforgeeks.org/problems/segregate-even-and-odd-numbers/0

#### Reading:

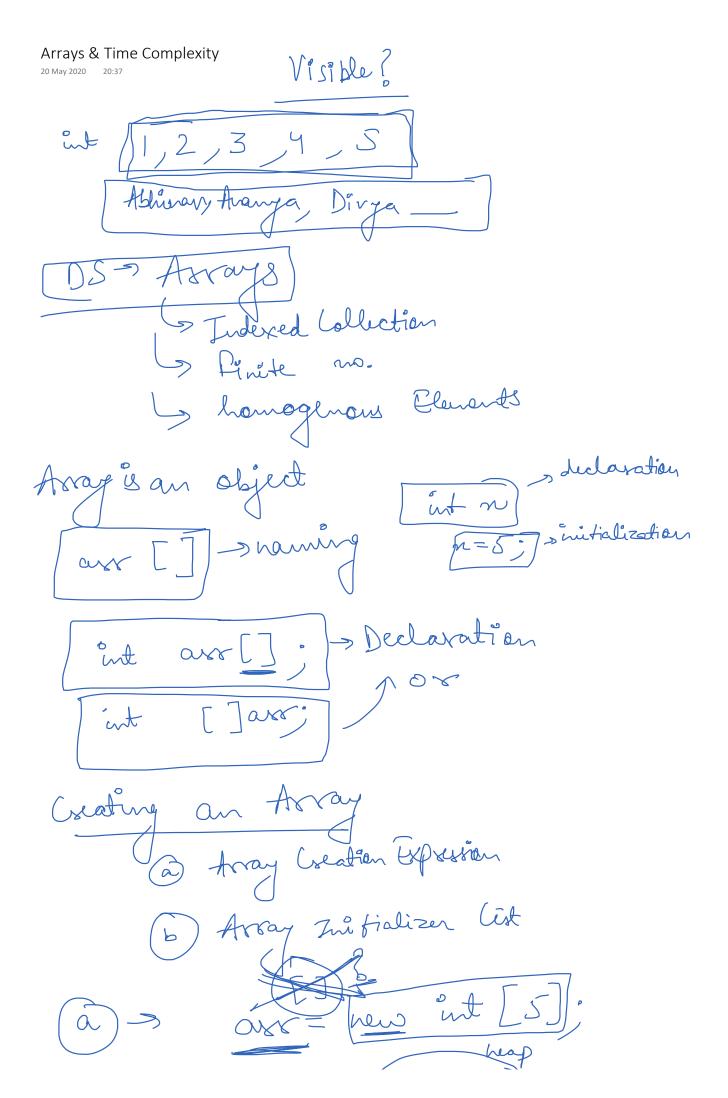
Read all these topic from www.realjavaonline.com

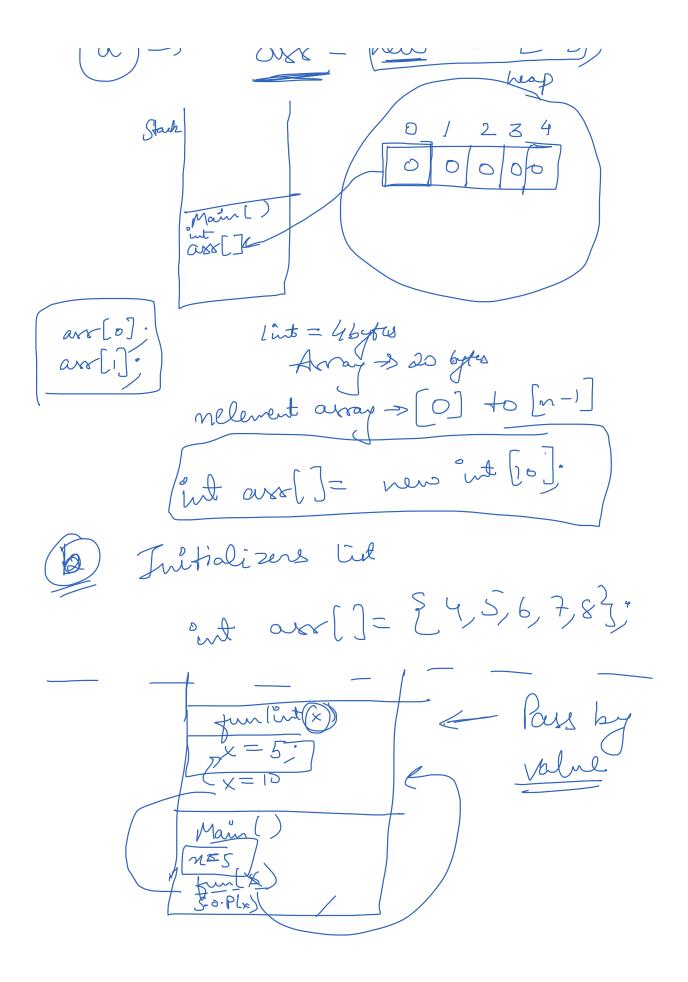


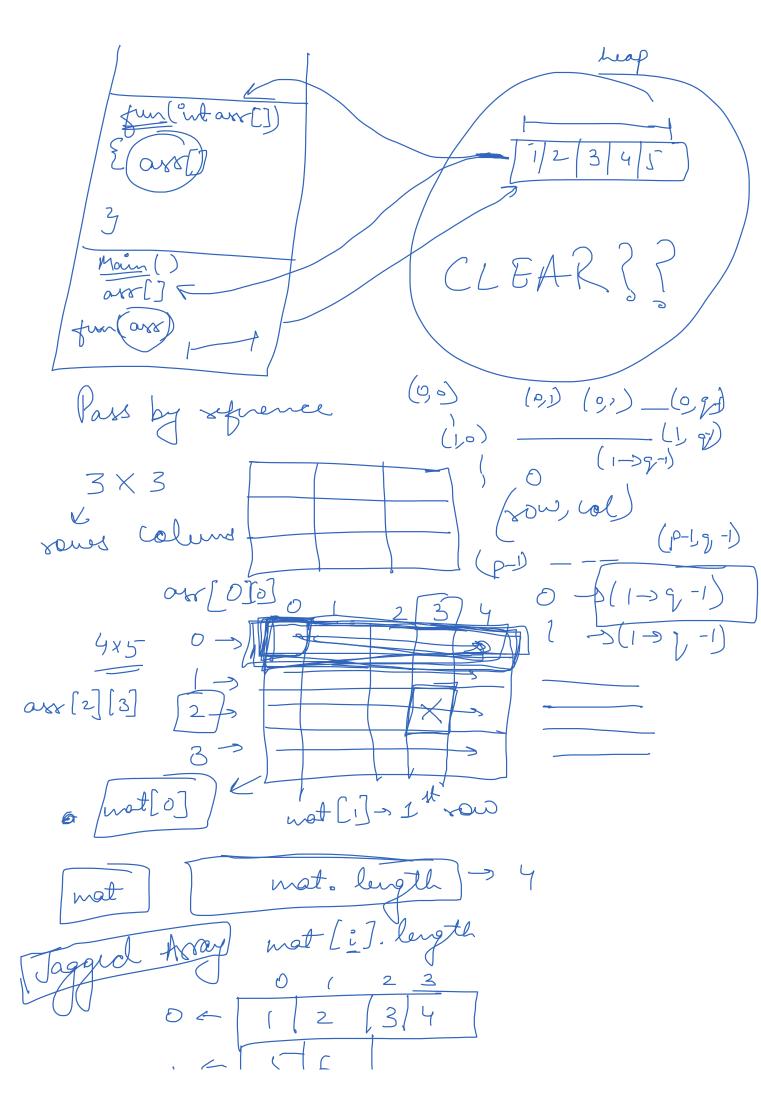
I suggest that you guys buy this book, whosoever is interested can buy: https://amzn.to/2WNK88j

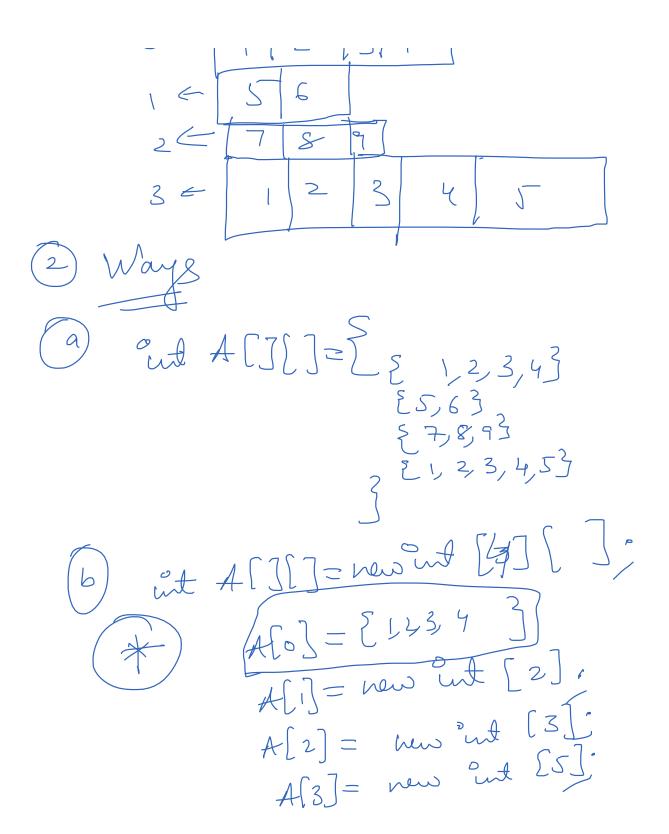
ID - Middle Element LL 22 April 2020 22:24 INPUT LIST: Counter = 6 null. next B->5 Km/hr abbit bleams  $2 \times E$   $\times E$   $0 \left(\frac{M}{2}\right)$ 

rabbit becomes

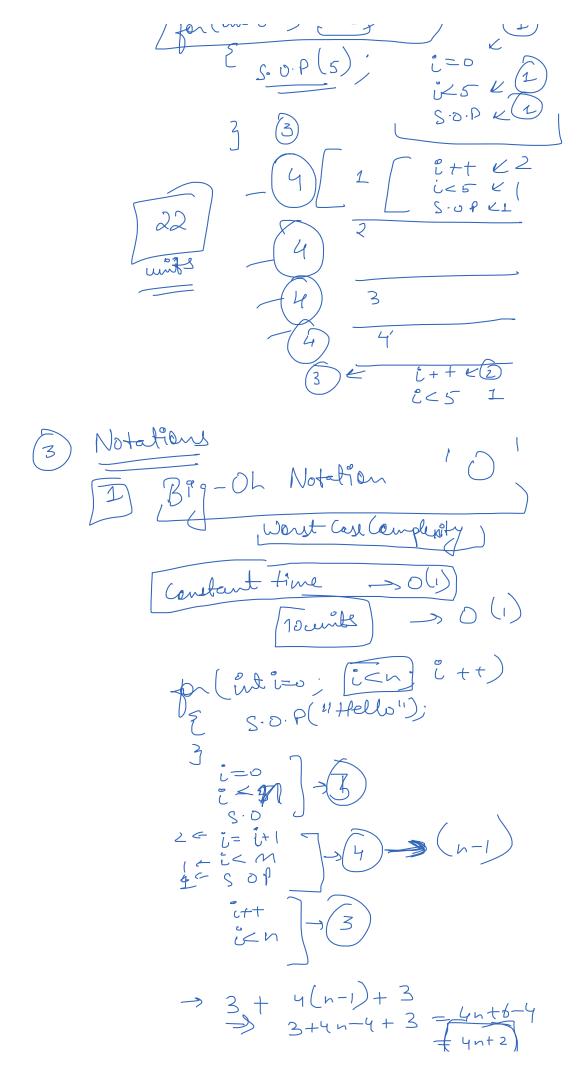


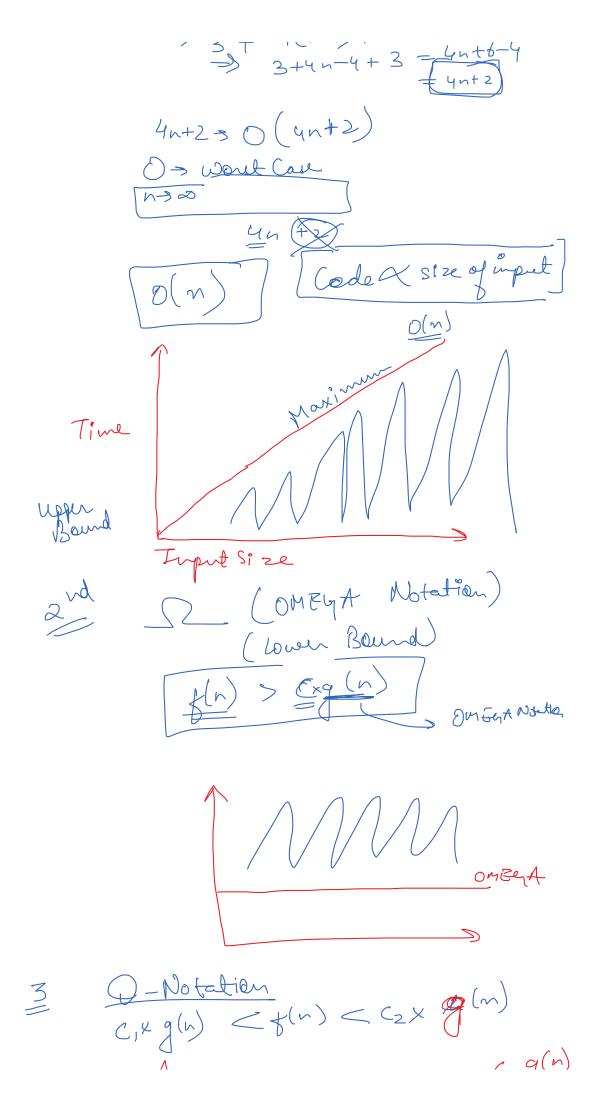




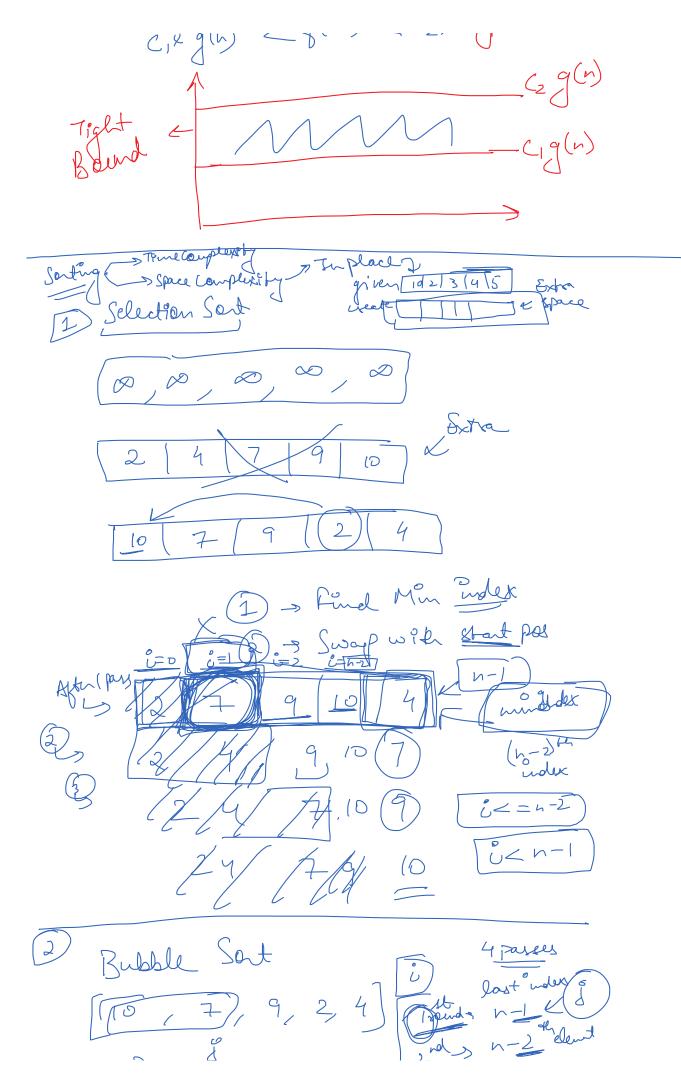


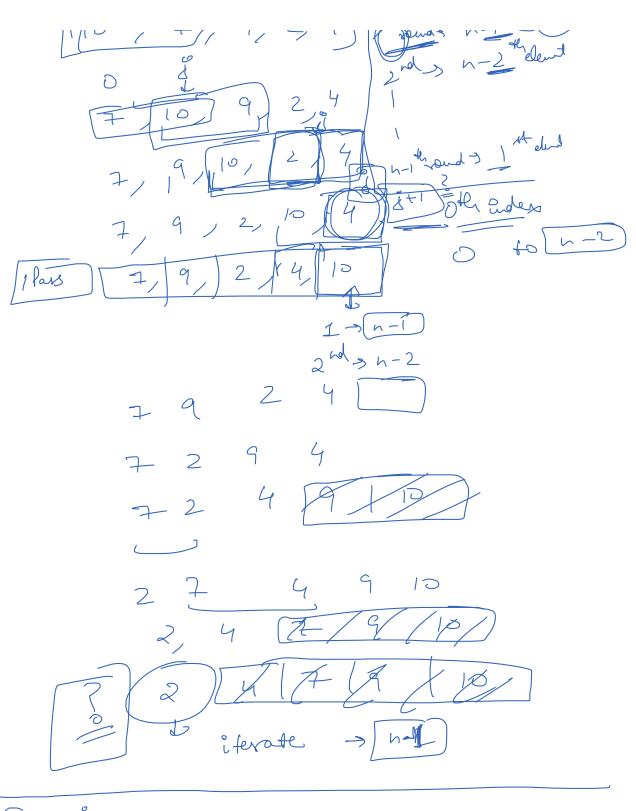
CipherSchools Page 8





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Recursion

S A function Calling Etely

Directly / indirectly.

Direct

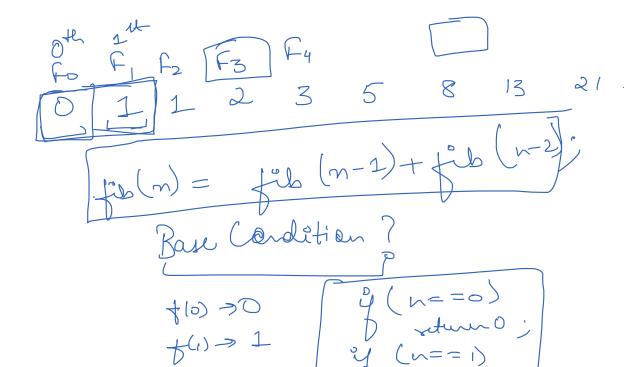
Void fun()

void A() EB(): Base Care () 3 void B() A(); Base Case / Terminoting Condition Print 5 433 2 ( Brangle
Void fun (int h)

E 0-1-2 \_1000000 S.O.P ( m) Stack -1> Your Assignment 2 > Revise everything 4 > Point (0+05) in Assending Order vsing shoursian! And the Sint function call must be fun (5):

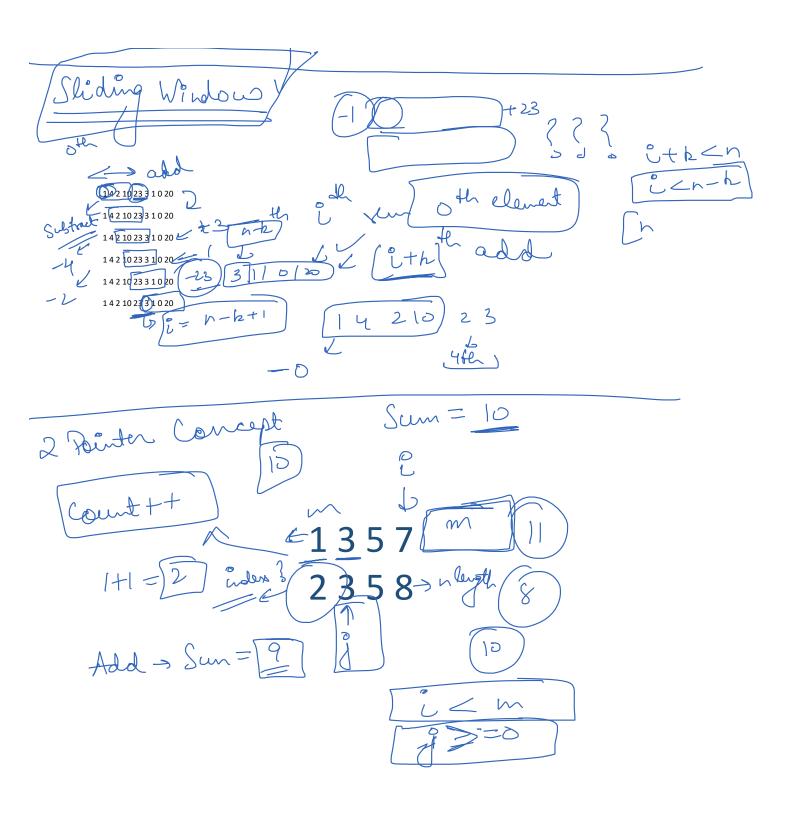
Ascending Print Recursion Fibonacci Binary Search(Iterative + Recursive)//Done Sliding Window Count pair sum

Doubts m(3) SOPY 3210



fil(0) Time Complexit

let us suppose P STYN [27] We Stop when search space = 1  $log n = log 2^{k}$  $\log n = b \log 2$  $D = \frac{\log n}{\log 2} \left| \frac{\log a}{\log b} = \frac{\log a}{\log b} \right|$ T. (= 0 ( lg2n) O(log m) D(m)  $\sim$ [O MA 6.6 ms 100 ms 100 1000 10000 100 MC Lo 18 sec Chiding William



### Strings

25 May 2020 21:46

> Reverse a String Check Palindrome Frequency Array

Anagrams
Check if two strings are rotations of each other

Frequency Array:

Size - 26

Int x = (int)c-97

ARORA

Palindrome: Same when written ulta

ARORA MALAYALAM GFG 121 1331 NAMAN

CIVIC

## punitpundir

a-0	b-1	c-2	d-3			i-8		n-13		p-15	r-17	t-19	u-20					y-24	z-25			
0	0	0	1	0	0	2	0	2	0	2	1	1	2	0	0	0	0	0	0			

abab Char c='a' aabb aaaa Int x =(int)c aabb Character a - 97 - 0 b-98 - 1 c-99-2 aaaabb a-6 b-4

A-65 a-97

If all types of characters including spaces and special characters are allowed: Take array size as 256