

DSA ≠ Dev + clg +

↳ CN

↳ DBMS

↳ OS

↳ OOPS

↳ Standard -

↳ Leetcode -

1 - med

2 - med

3 - me

4

→ Array
— ↳ Algorithm

DSA 7 CS Fundament

→ BCA, BCS →

— MCA →

— B-teche →

Wednesday.

8.00

Java



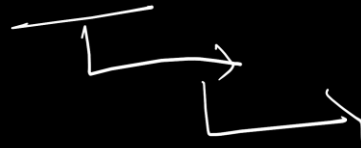
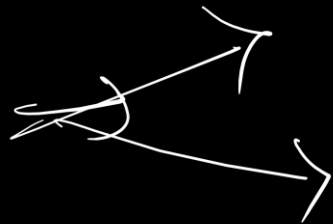
CS

PSA

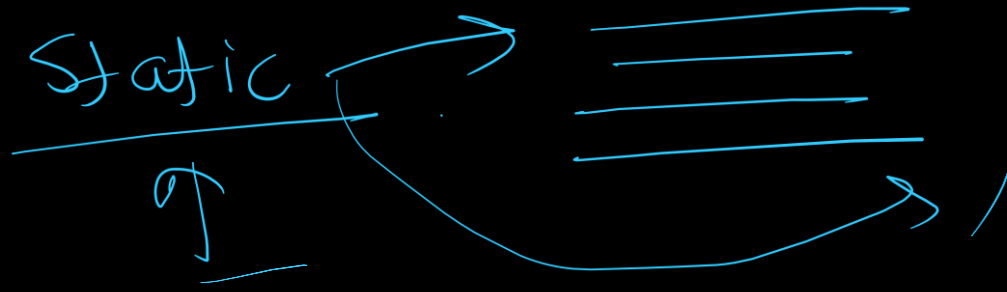
Dev



200



3 h.



Java



easy $\begin{matrix} \nearrow \\ \searrow \end{matrix}$ $\begin{matrix} \text{---} \\ \text{---} \end{matrix}$

x ---

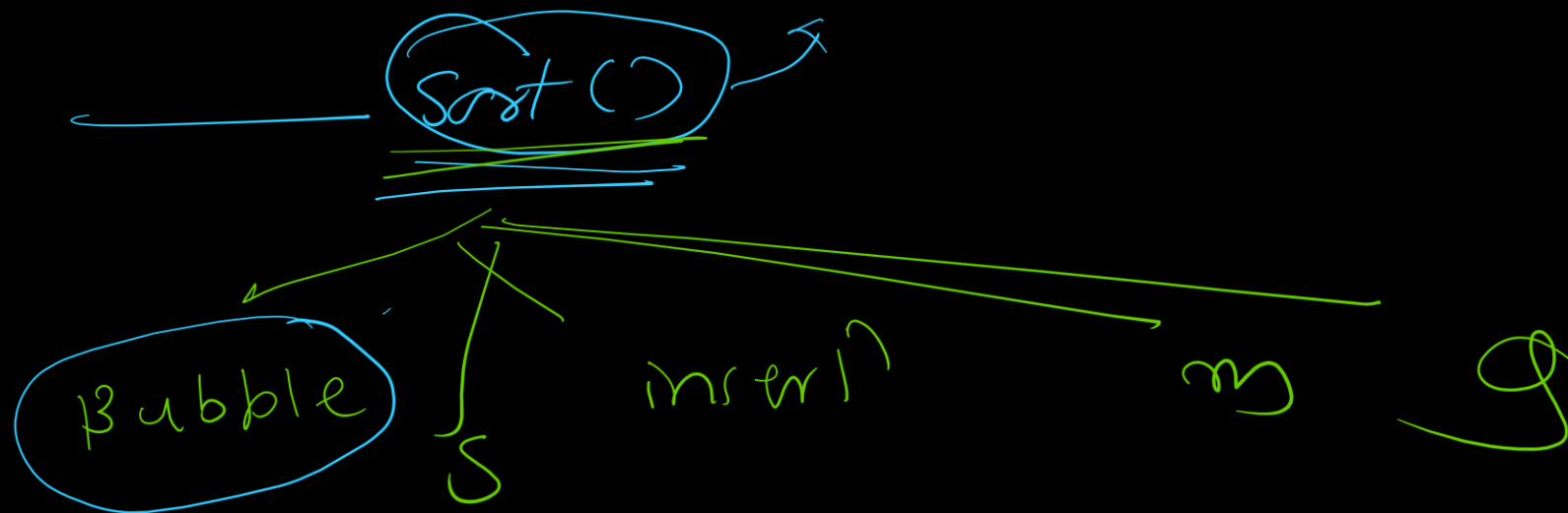
x x x ---

x x x x x ---

printf(x)

| (x x x)

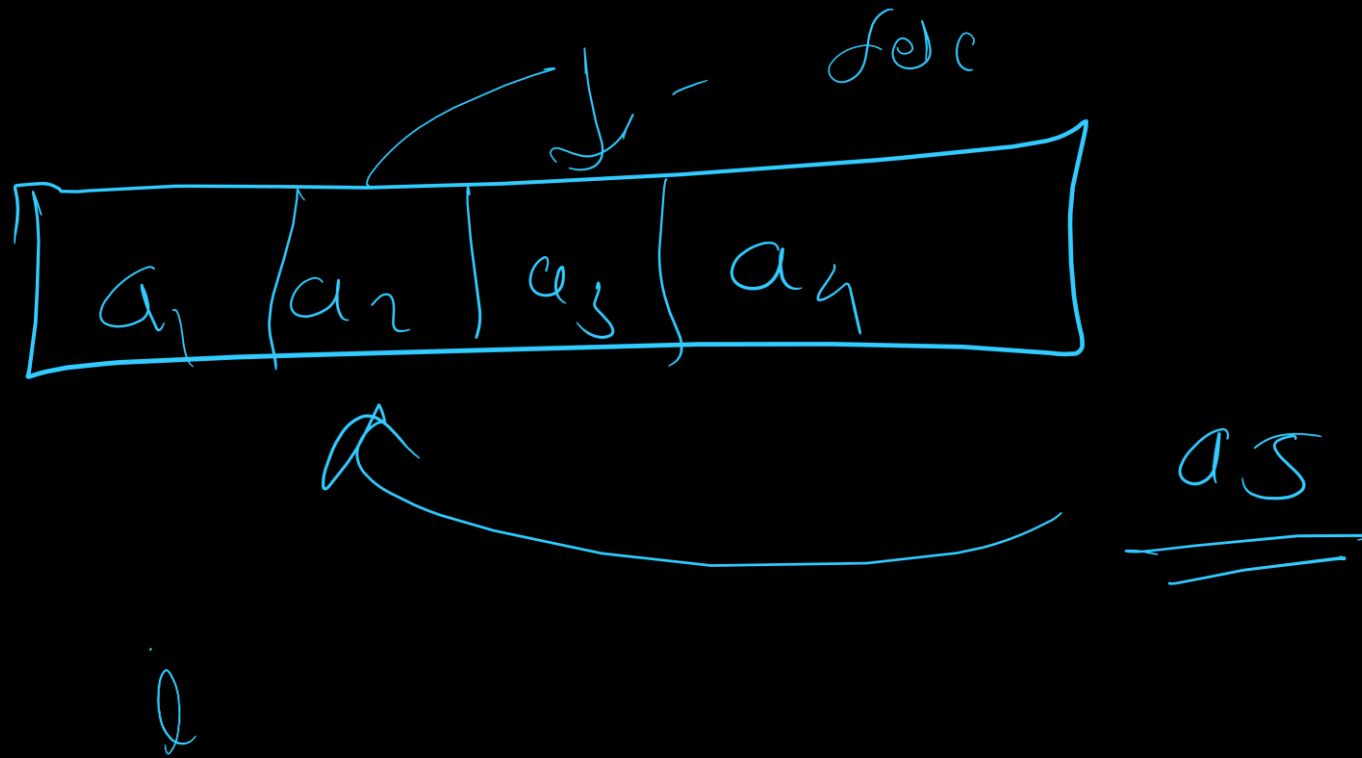
| (x x x x)



1-100 1
+ 2
+ 3
+ 4

300 →
75 68
→

Loops — Arrays



⇒ Sliding window

L) - 4 - S →

100 y. →
L)

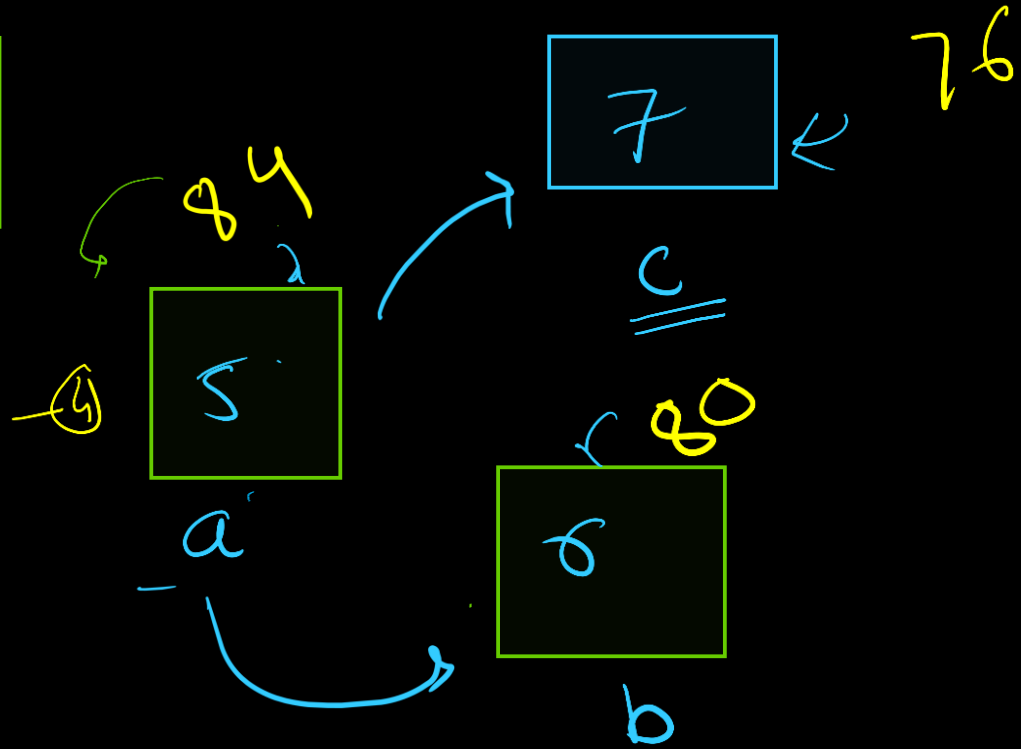
Array

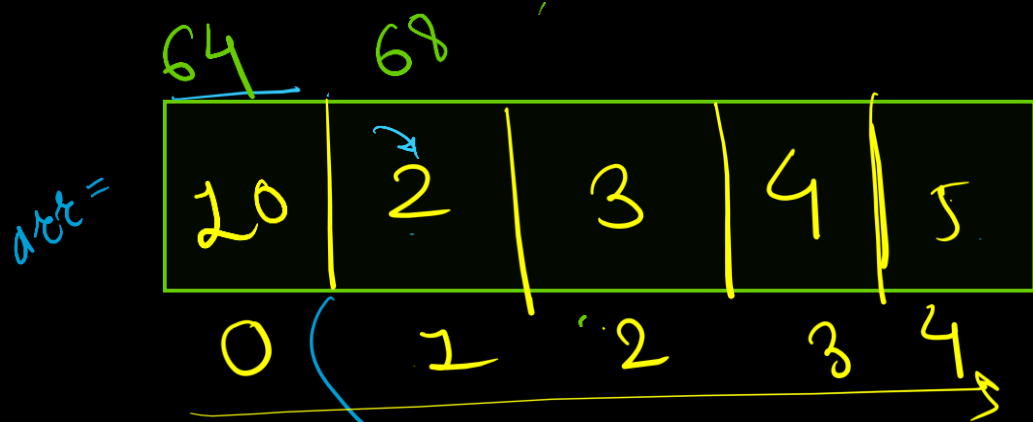
0	1	2	3
1	2	3	4

int a = 5 →

int b = 6

int c = 7

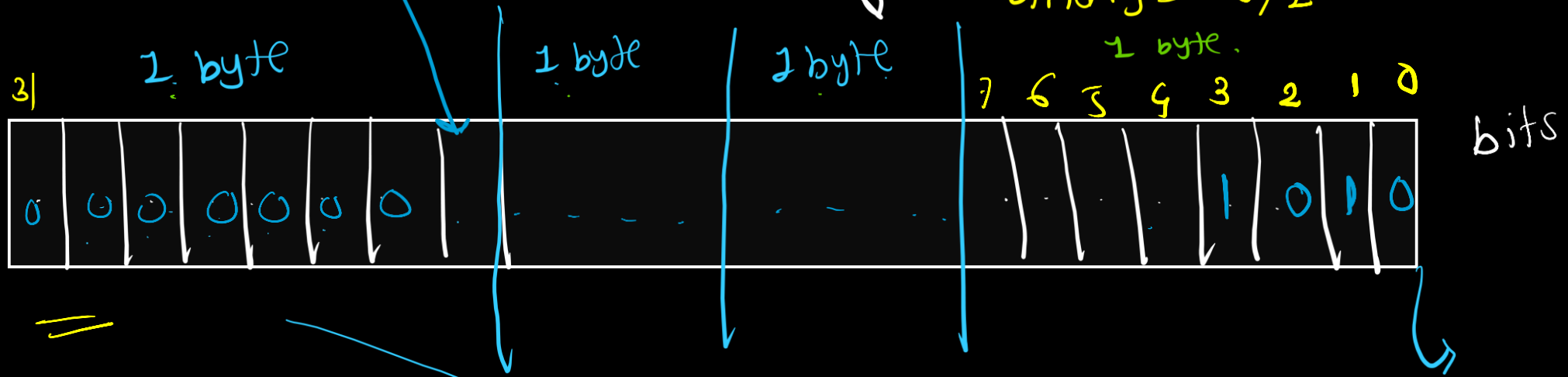




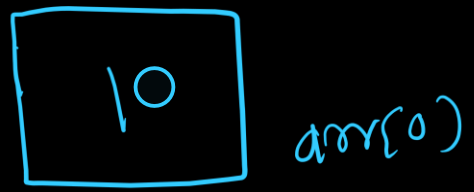
$100 + 4 = 104$
 size of integer
 4 byte

arr[0] 10 → 1010

1 byte = 8 bits
 binary = 0/1
 1 byte



$1 + 1 + 1 + 1 = 4 \text{ by}$

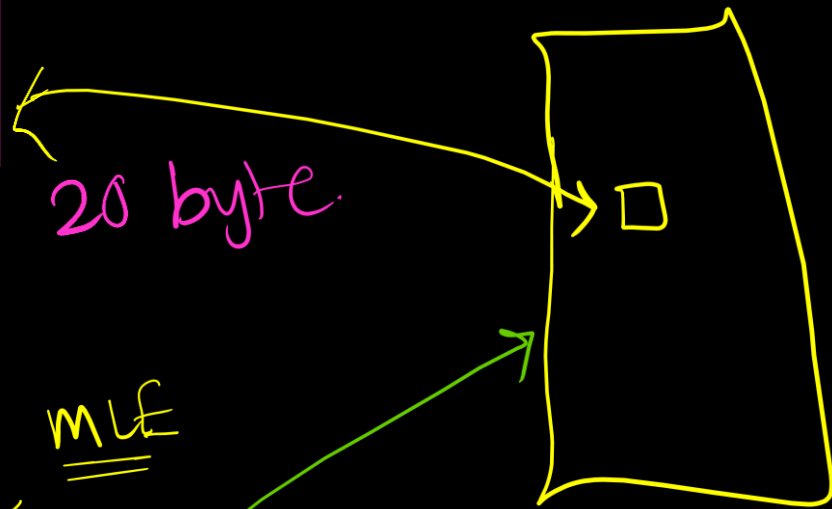
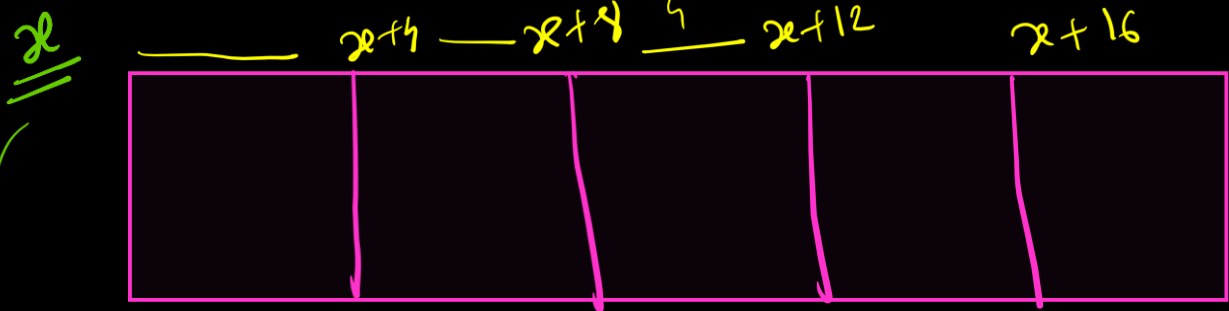


int arr[] = new int [5]

→ $4 * 5 = 20$

$20 * 8$

160



AOB, MLE

arr → 100 , arr == arr[0]
 ↓
 Access

Address

Read this : -

<https://www.geeksforgeeks.org/arrays-in-java/>