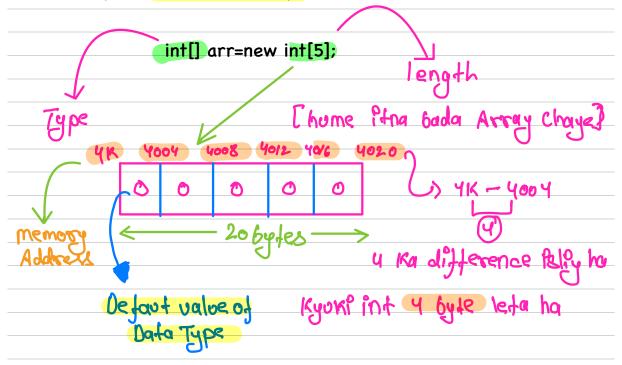
Array

Collection of fixed sized homogeneous data type

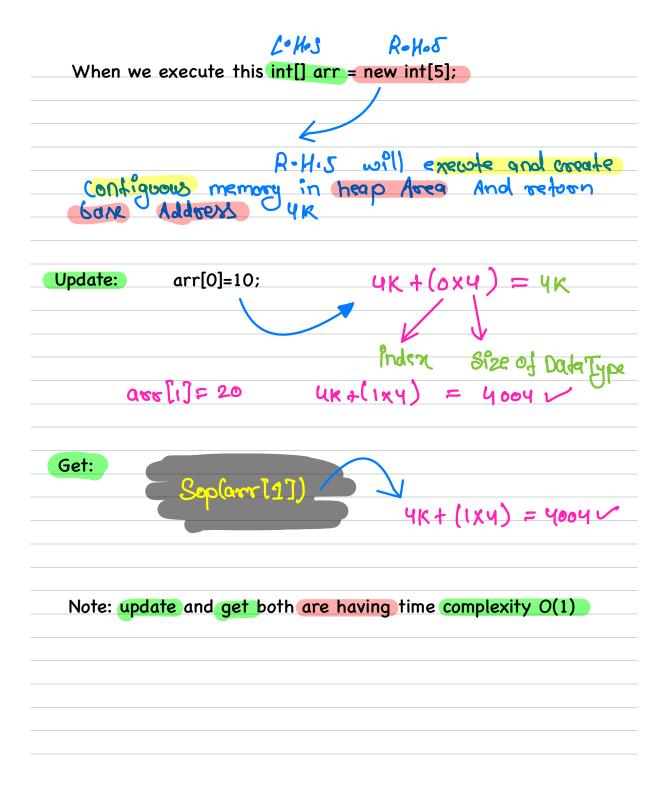
Why we need array we have variables?

In array we can create and store at runtime we are not able to in variable

If we want to create 10 int then it will be painful process but with array we can create easily



Note: This memory from 4K to 4020 will be contiguous



Question: Two Sum - Leetcode 3 I/b 15 11 Understanding: Hume 2 elements find Karne ha Jo target k barabar ho or u kya index return krna ha 1 (inden) Approach: 2 loop laga lete ha i jo element ko pakad k rakhega or dushra i jo baki element k pans jau k dekhega ki element of it it = target Jan K letaen.

$$T \cdot C = O(n^2)$$

targel =6

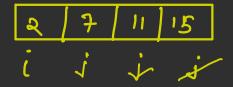
$$4+9 = 12 \times 4 + 2 = 6$$



1-based

Approch - 1

-> Sorted (increasing)



target = 9 $2+15 \Rightarrow 17$

17>9

this will work if Array

2411 => 13

torget = 12

it1 = 8 maller then target=11-

1+9 = 10 10<12 Soina î

2+9=11

114 12

4 + 9 = 13

13>12 801 --

T.C = 0(n)