Ques: Segregate 0s and 1s

arr = { 1, 0, 0, 1, 1, 1, 0, 1, 0 1, 1, 0 }

M-1: Count the no. of zeroes & ones

noZ = 5, noO = 7

```
for (int i = 0; i < noZ ; i++){
|   arr[i] = 0
3
for (int i = noZ ; i<n; i++){
|   arr[i] = 1;
3
```

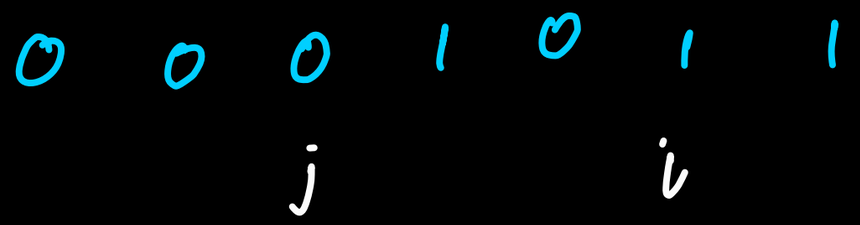
Ques: Segregate 0s and 1s (2-pointer technique)

arr = { 1, 0, 0, 1, 1, 1, 0, 1, 0 1, 1, 0 }

0 0 0 0 0 1 1 1 1 1 1 1

j i

Ques: Segregate 0s and 1s




```
while(i<j) {
    if(arr[i]==0) i++;
    if(arr[j]==1) j--;
    if(arr[i]==1 && arr[j]==0) {
        swap
        i++
        j--
    }
}
```

Ques: Wave Array

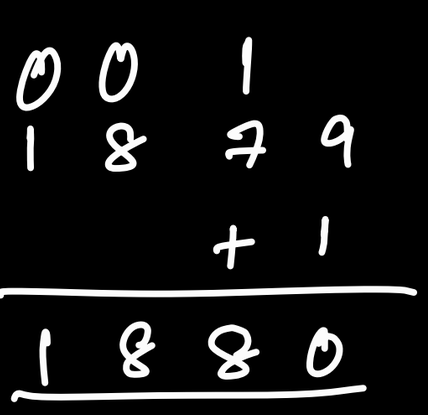
Arraylist & Vector in Java

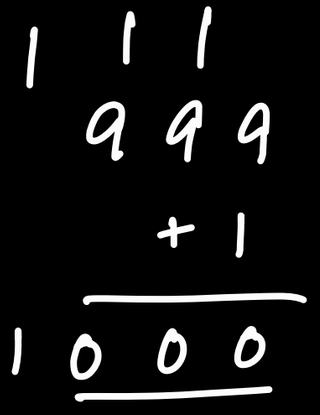
dynamic arrays → growing array

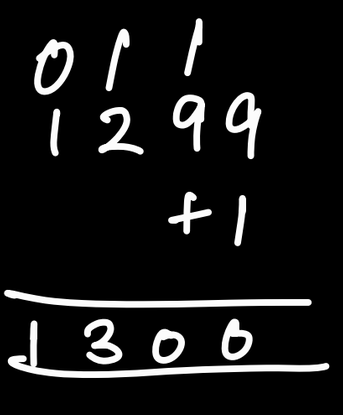
'Collection Framework'

Array ki problem → fixed size

Ques: Adding One








```
if(arr[n-1] ≠ 9)  arr[n-1]++;
```

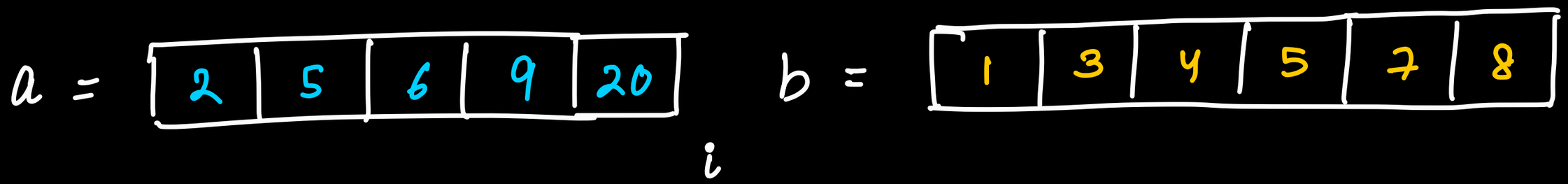
ans = {0, 8, 8, 1}

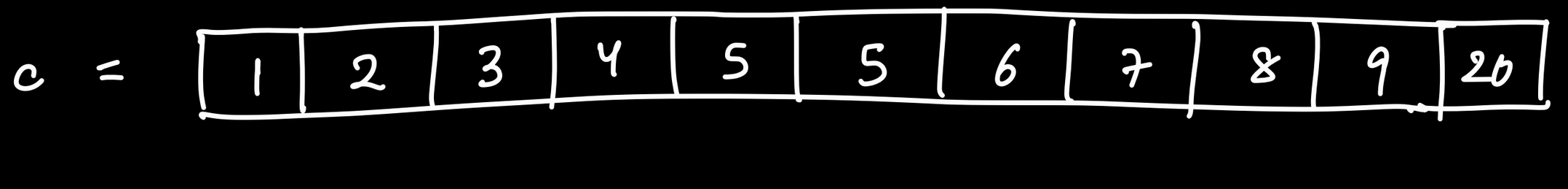
d

reverse

```
ArrayList<Integer> ans = new ArrayList<>();
```

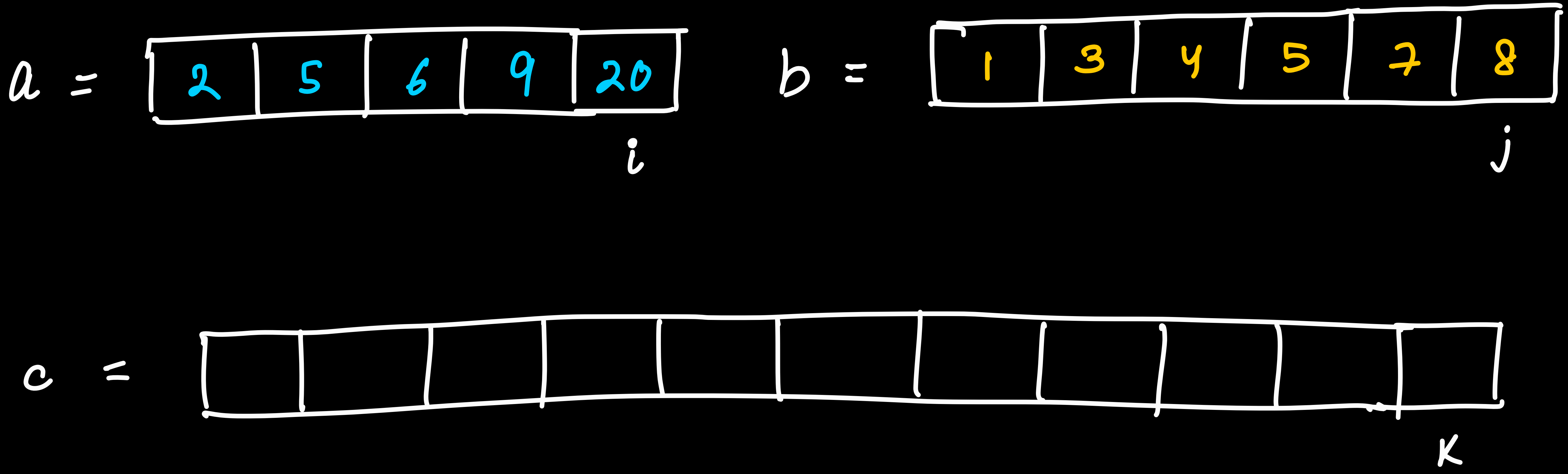
Ques: Merge 2 Sorted Arrays in a single big array.





3 pointer technique

Ques: Merge 2 Sorted Arrays 'Homework'



merge in reverse order

Ques: Sort 0s, 1s and 2s ('Homework')

THANKYOU

Cuties