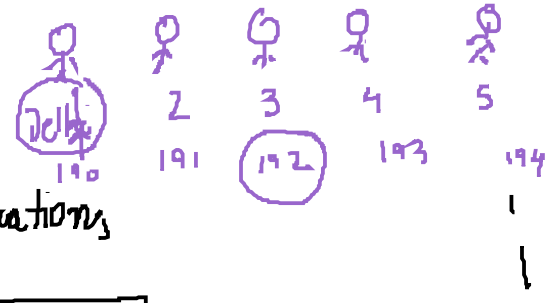


# ADTs



ADTs = Set of values + Set of operations

int  $\rightarrow$  9, 10, 12

$$9 + 12 = 21$$

operator

$\downarrow$  details abstracted

myArray  $\rightarrow$

representation

total\_size  $\rightarrow$  6  
used\_size  $\rightarrow$  3

+

operations =  
max() add(arr)  
get(i) base address  
set(i, num)













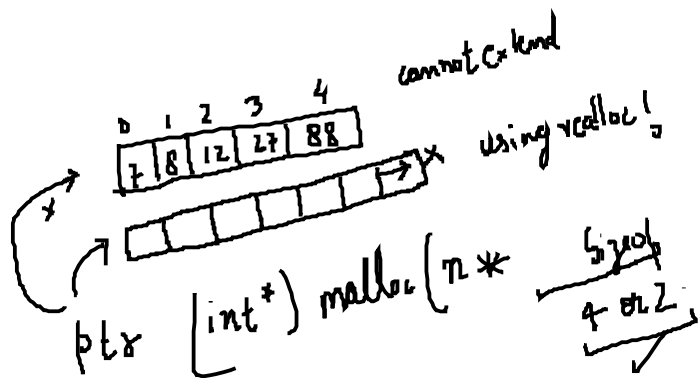
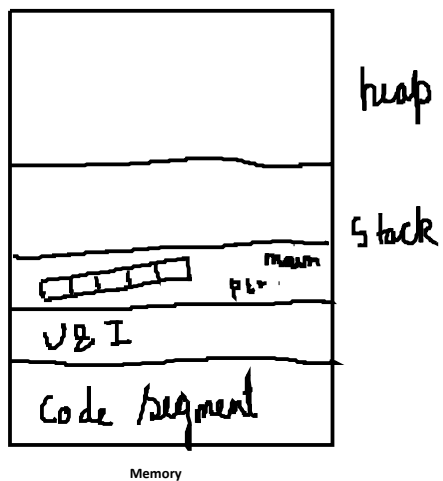














# C language Code

```
struct myArray {
```

```
    int total_size;
```

```
    int used_size;
```

memory to be reserved

memory to be used!

---

Implementation ✓