

## Basic Arrays

Ques

✓ Arr - {1, 2, 3, 4, 5}, Key = element (3)

→ Arr - {1, 2, 4, 5, 0}

(+1, 1, \*)

↳ Limitations

↳ Operations

↳ element get ([ ]) - one by one

↳ element modify (arr[1] = 2) -

↳ Access by index (arr[indx]) -

Limitation

Operation

- ↳ access
- ↳ modify ✓
- ↳ index sort

4

val = 4

Arr = {1, 2, 3, 4, 5}  
Arr = {1, 2, 3, 5, 0}

Ⓟ

k = 4 (loop)

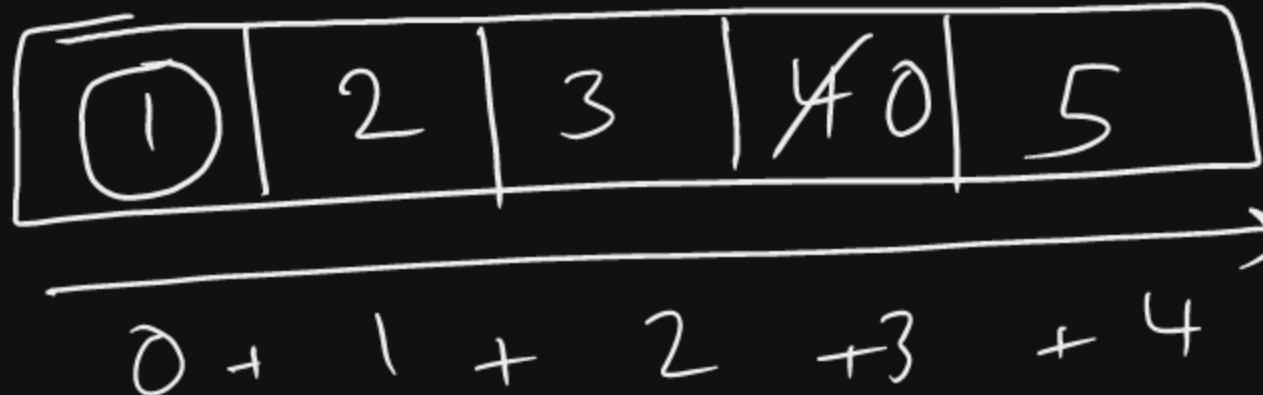
if (val == k)  
arr[p] = 0

else  
p++

Pseudo Code (K)

- find k
- delete k (input 6)
- Shift 0 to
- end

in place



{1, 2, 3, 4, 5} → {1, ~~2~~, 3, 4, 5} (in place)

→ Arr {0} → {0, 0, 0, 0, 0}

{1, 3, 4, 5, 0}  
0 1 2 3 4

if (arr[p] != 0)  
Arr[i] = arr[p]  
p++

