10_08-Basic Problem Solving - Arrays

Wednesday, 10 August 2022 8:11 PM

```
var obj1 = {
    "name": "abc",
    "age": 24,
    "isStudent": true
}

var obj2 = {
    "name":"abc",
    "age": 24,
    "isStudent": false
}

function isSame(obj1, obj2){
    for(item in obj1){
        if(obj1[item]==obj2[item]){
            return true;
        }
        return false;
    }
}

console.log(isSame(obj1,obj2));
```

item → name, age, isStudent

var isValid = false;

Q arr = [3, 31, 5, 6]

max: 31
min: 3

logic

.sort() xx

min - 3
max - 3

curr < min → 3 < 3 false xx

curr > max → 31 > 3 ✓

3 mins

logic

31 < 3 false
min = curr

max = curr

arr = [3, 31, 0, 6]

min - arr[0] - 31
max - arr[0] - 3

3 logic

2 loc

1 loc

3 < min

31 < min

3 > max

31 > 3 ✓ max → 31

max = curr

0 < min

min = curr

1000

3 00 000

Yes bank → 200 300 ₹

5 rs

2 g 500

5000 rs

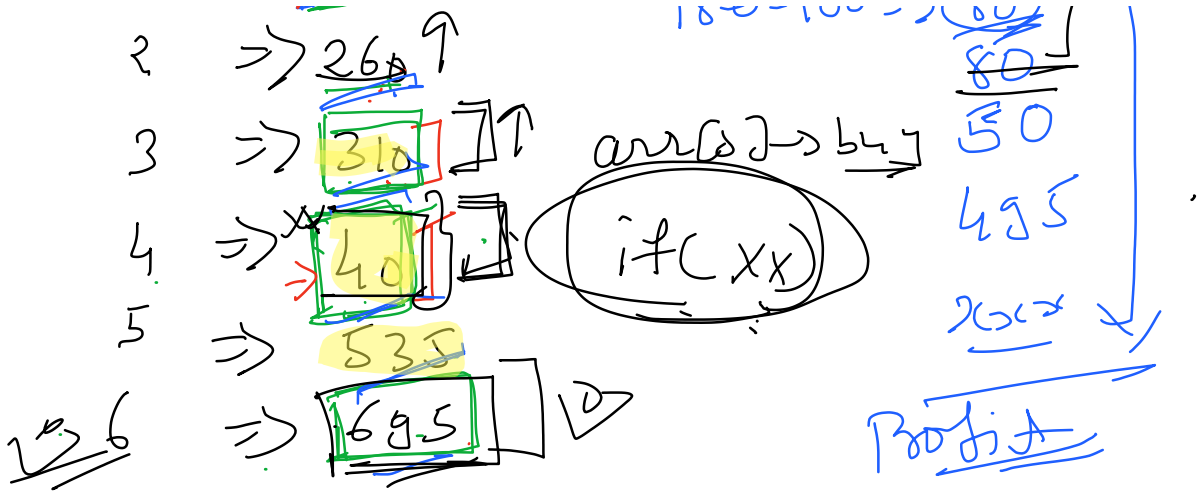
40

15 rs

buy / sell

Day 0 ⇒ 100

1 ⇒ 180



Q = [0, 1, 1, 1, 0, 0, 1]

Every 0's left side.

Every 1's right side

[0, 0, 0, 1, 1, 1, 1]

→ All 0's left
1's right

1. Sort
XXX
Two Pointer Approach

Ex: [0, 0, 0, 0, 1, 1, 1, 1]

Ip [0, 1, 0, 1, 1, 0, 0, 1]

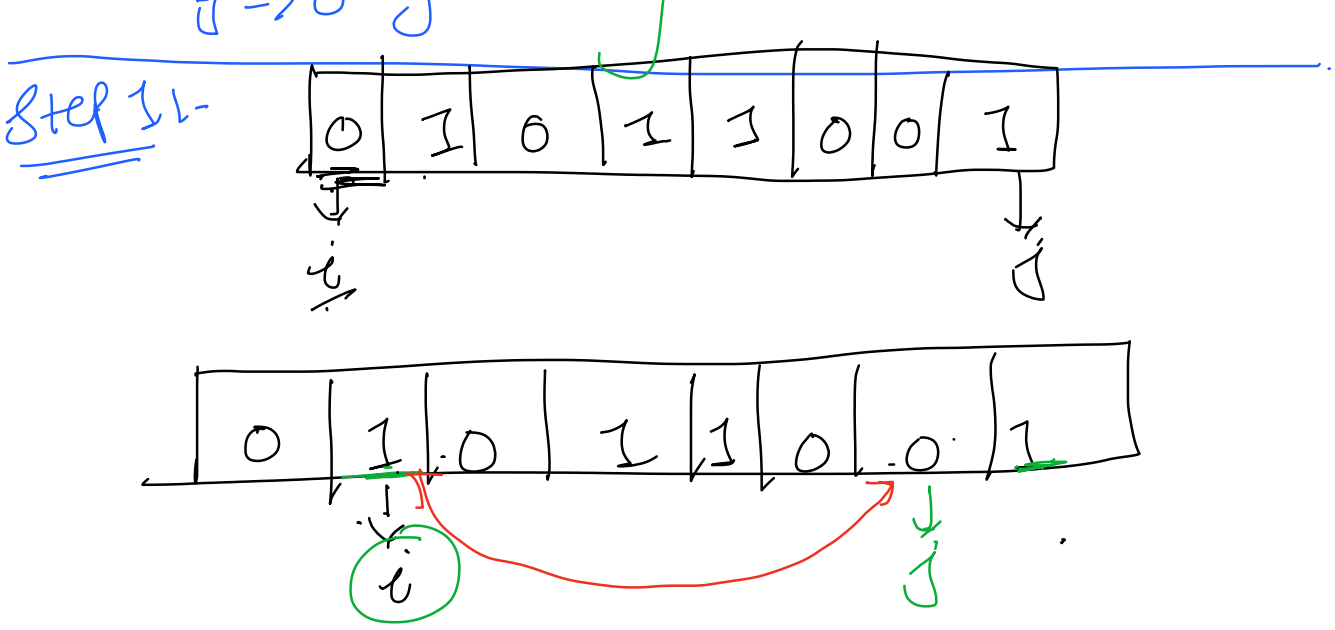
i

1) if we have 0 on left, move pointer i to the right

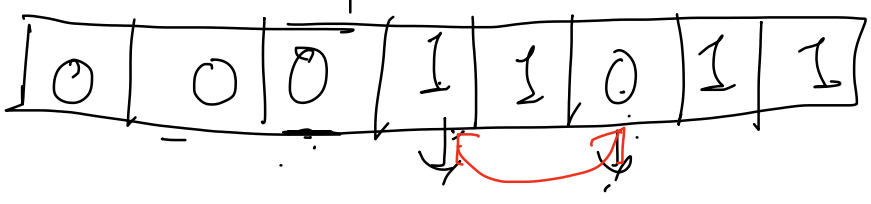
2) if we have 1 on right, move pointer j to the left

3) i -> 1 } Swap }
j -> 0 }

Step 1:-

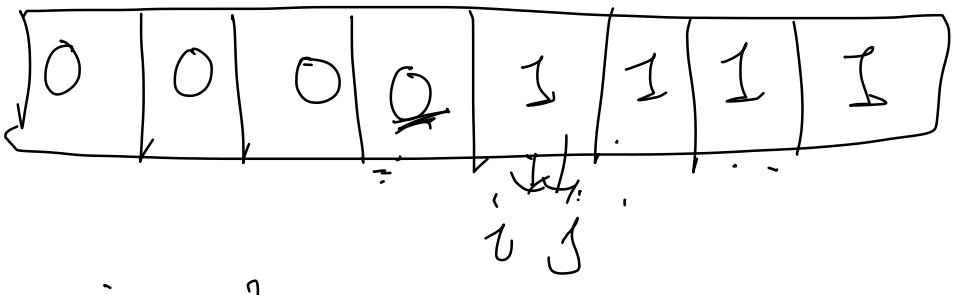


i -> 1 } Swap }
j -> 0 }



i → 1 } Swap
j → 0 }

i j



i → 1 }
j → 1 }

i < j } loop run
i == j } stop