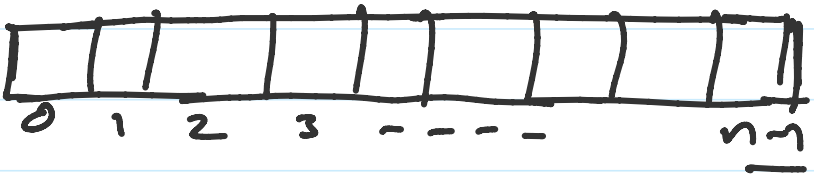
21/09/2022

21 September 2022 19:04

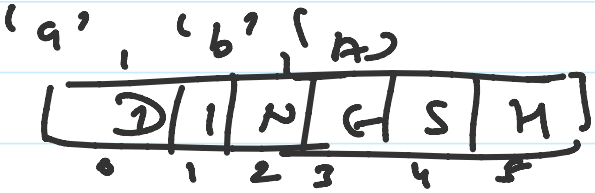
(feel free to ask any doubt you have)

Array / sub-array / subset / subsequence / string

Array :



String : Array of char



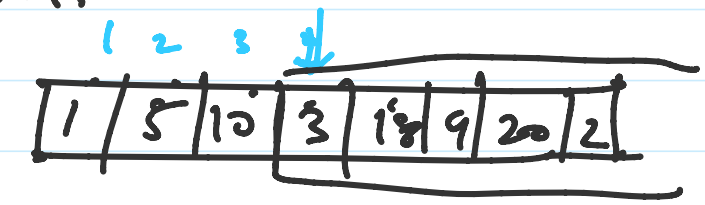
> How to itrate on array ?

```
for( let i=0 ; i<n : i++){
    // a[i]
{
```

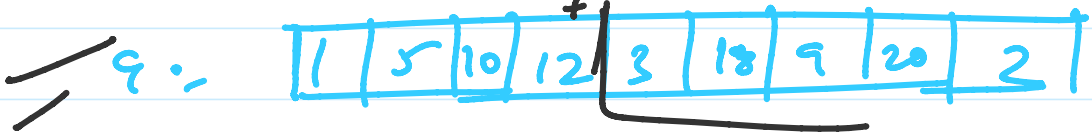
{

a.forEach ((x) => { _ })

2> add a element in array at ith position.



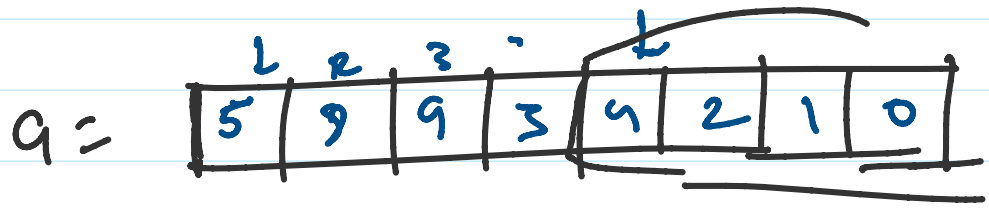
i := 4 , x := 12



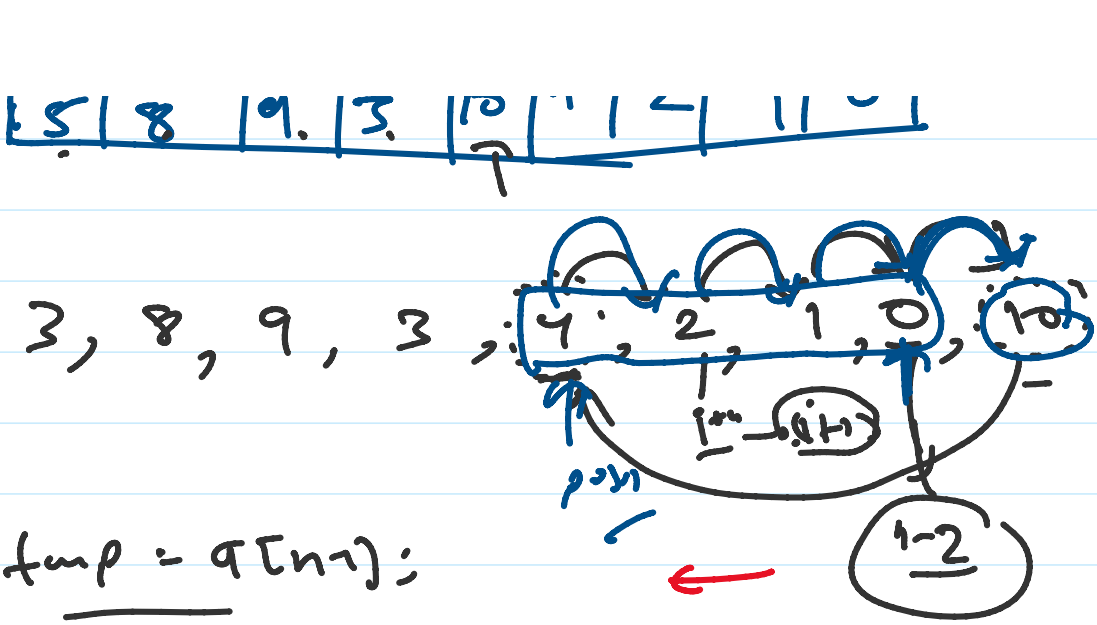
i := 4

function solve (a , pos , elm) {

}



pos = 5 , elem = 10




```
tmp = q[n-1];
for( let i=n-2 ; i >= pos-1 ; i--) {
    q[i+1] = q[i] ;
}
q[pos-1] = tmp ;
```

pos = 5

3, 8, 9, 5, 4, 3, 2, 1, 10

i = n-2

n-3

[-1]

i = n-2 → n-1

q-1 [-2] ← n-3 → n-2

[-1]

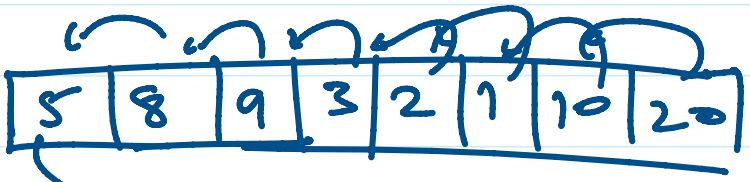
pos-1 ← pos

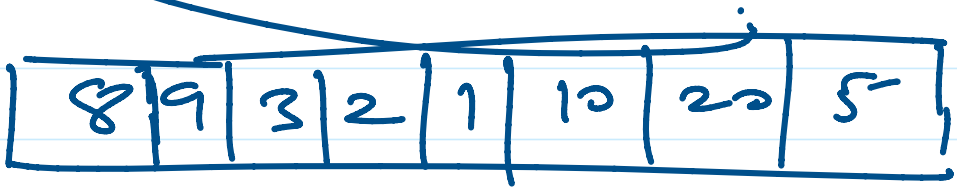
5, 7, 9, 3, 4, 2, 9, 0, 1

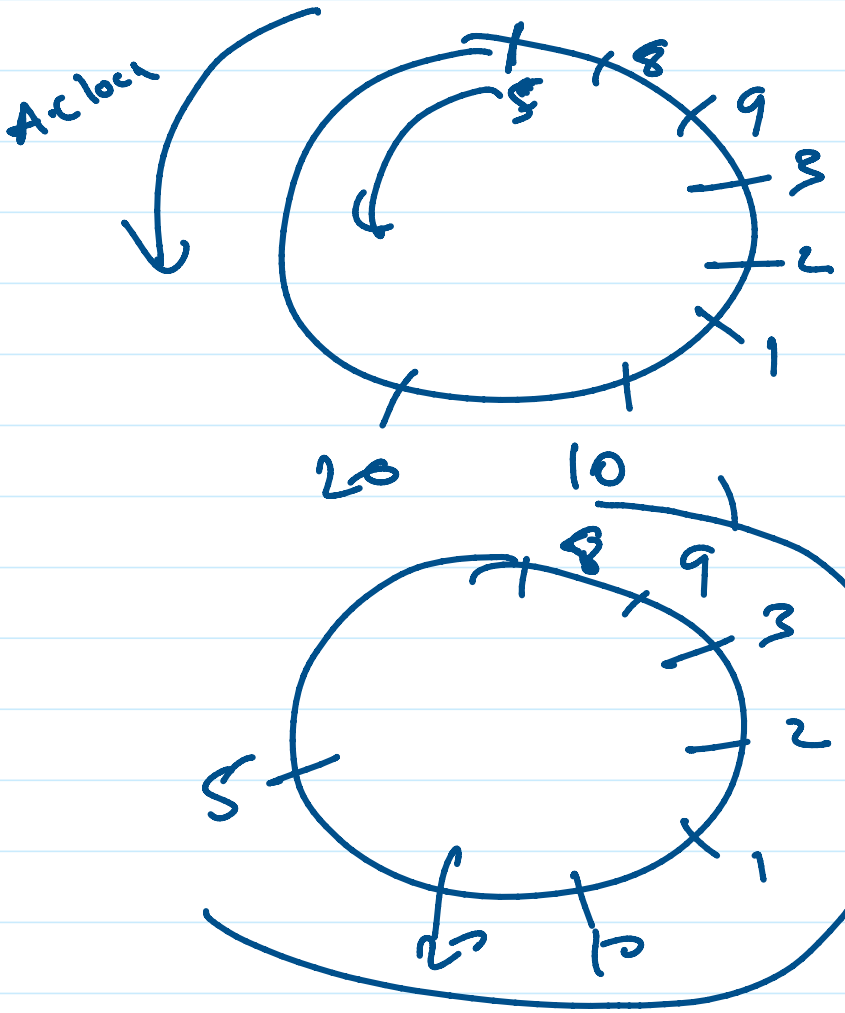
3 4 2 1 0

Problem-3

q:

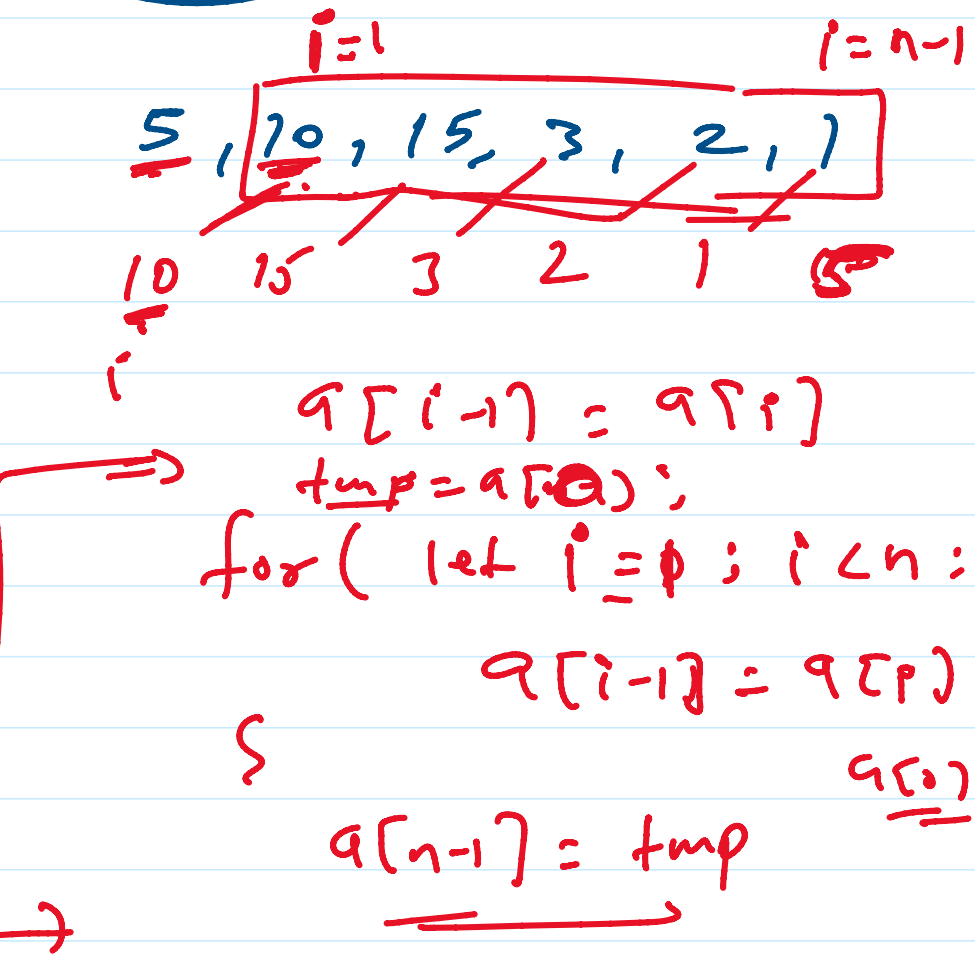






function Solve(a,) {

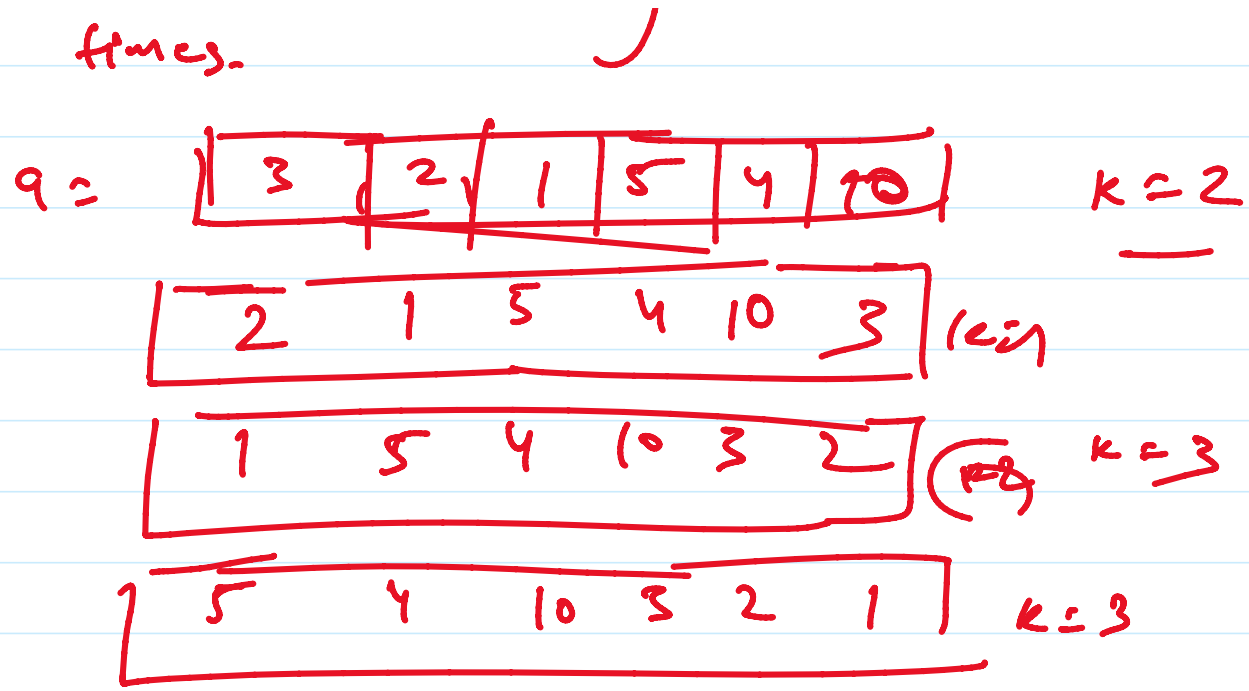
7:50

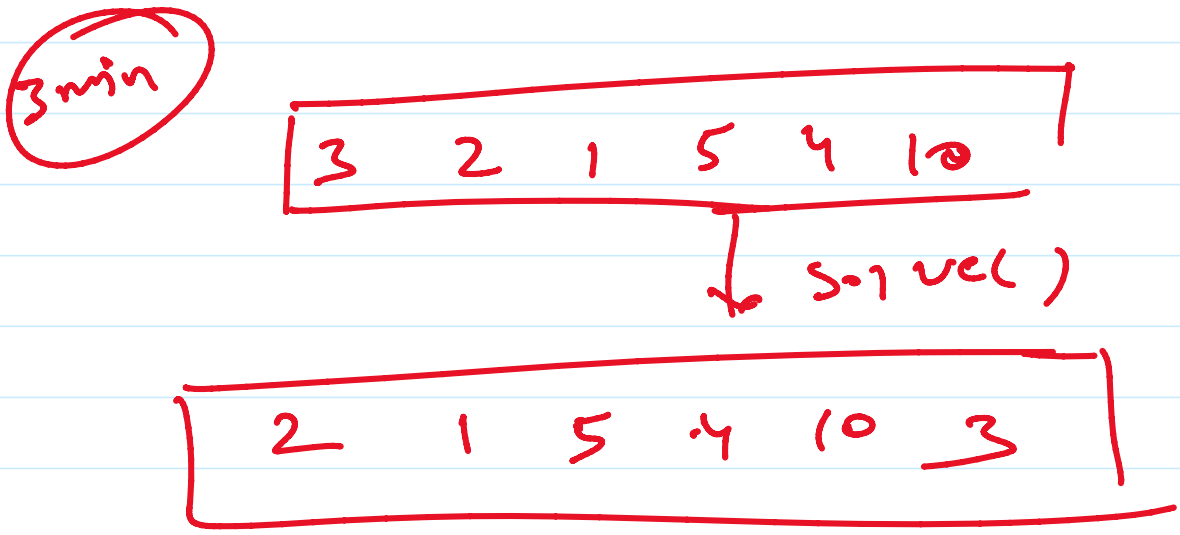


problem-3

rotate an array in anti-clockwise K times.

K times.






```
function solve(q){
    let tmp = q[0];
    for(let i=1; i<n; i++){
        q[i-1] = q[i];
    }
```

```
    }
    q[n-1] = tmp;
}

function solve2(q, k) {
    while(k > 0) {
        solve(q)
        k--;
    }
}
```