12-08 - Problem Solving - Loops

Friday, 12 August 2022 8:13 PM

Use Strict
for in

Q I/P [1, 2, 5, 4, 3] => [1, 2, 3, 4, 5]

[1, 2, 3, 4, 5]

O/P => Yes

I/P [1, 3, 4, 10, 9, 8]

[1, 3, 4, 8, 9, 10]

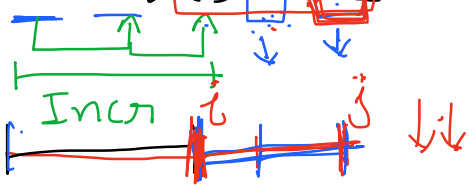
O/P => Yes

I/P [1, 2, 3, 4, 20, 9, 10] XX

O/P => no

[1, 2, 3, 4, 20, 10, 9]

[1, 2, 5, 4, 3] => [1, 2, 3, 4, 5]



incr

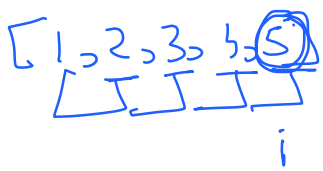
1. upto which point array is incrementing values.
2. upto which point array is decrementing values

[1, 2, 5, 4, 3]

```
for(i = 1; i < len; i++)
{
    arr[i] > arr[i-1]
}
i == len
```

Yes

2 > 1



[5, 3, 1, 4, 6]

XX

arr = [1,2,3,4,20,9,8,45]

```
// [4]
let arr = [1,2,3,4,20,9,8,45]; //5
//         0 1 2 3 4
```

[1,2,3,4,8,9,20,45]

{[1,5,4,3,2]}

1 5 5

5

1 5 4 6 3

1 5 3 6 4

5 > 4 => 1 => >0

(a,b) => a-b

3 4 3 2 1

arr.sort(.)

HOF

callback

>0

=0

<0

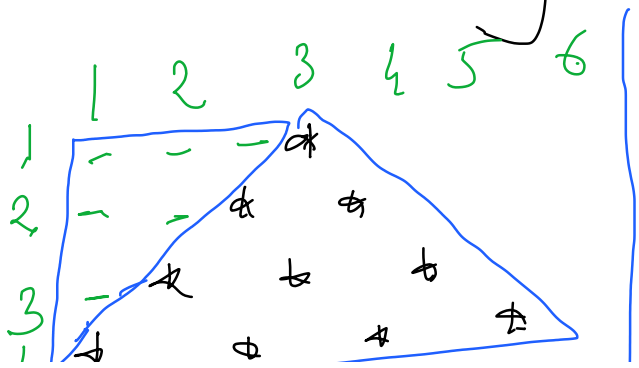
4 5 3

for(i=0; i<arr.length; i++) {

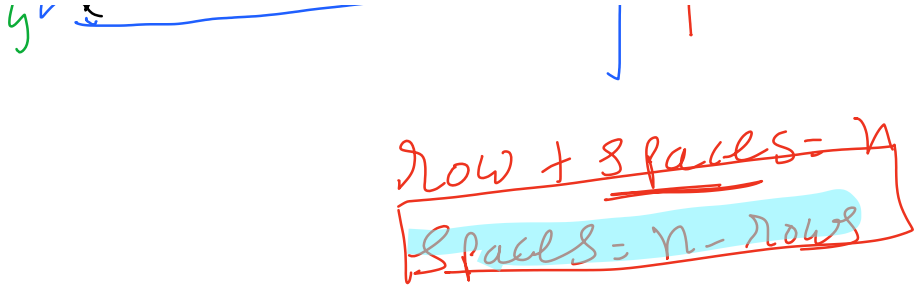
arr[i] - arr[i+1]

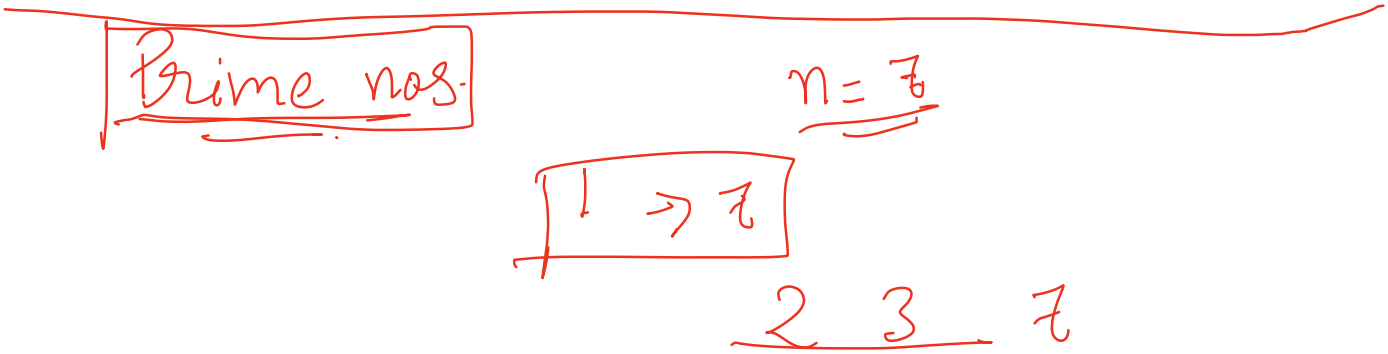
}

n = 4



row	spaces
1	3
2	2
3	1
4	0






```
1 2 3 4 5 6
  2 3 4 5 6
    3 4 5 6
      4 5 6
        5 6
          6
```