\* Hoisting:

-> It makes variables accessible/usable in the code even before they are actually declared. 'variables are lifted to the top of their scope's.

I Behird the scenes

Defore execution, Code is scanned for variable declarations and it declars whether to lift or not.

functions - y yes initial value

Var -> yes, undefined

let, const -> NO, <uninitialised), TDZ

(Temporal dead 30ne)

(30ne where the variable has)
no avers

9: Maximum element and its Index. mar-ele = -6 x xx fg: [1, 2, 7, 4 (10)] Op: 10 4 17-00 if (auli) > man-ele) ? 2>1 map-de = arcil; 1 > 2 mays - 1dx = 9; 4711 10 > 1

```
function ArrayProblem1(n, arr) {
    let max_ele = -Infinity;
    let max_idx = -1;

for (let i = 0; i < n; i++) {
    if (arr[i] > max_ele) {
        max_ele = arr[i];
        max_idx = i;
    }

return max_idx;

return max_idx;
}
```

\* map = ele = 0 ?

$$map = 1dx = 6$$

[-1, -2, -3, -4, -5]

map = ele = -1 -1 > 0 ×

map = idnc = 0 -2 > 0 ×

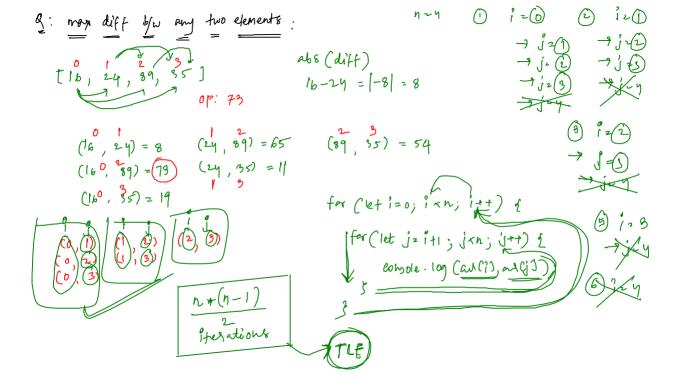
-3 > 0 ×

-4 > 0 ×

-6 > 0 ×

```
1, 2, 7, 4, 10 man-de = -6 x x 7 10

1, 2, 7, 4, 10 man-idx = -x x x 4, 4
```



# Improve

mass-diff = mass-de-nun-ele