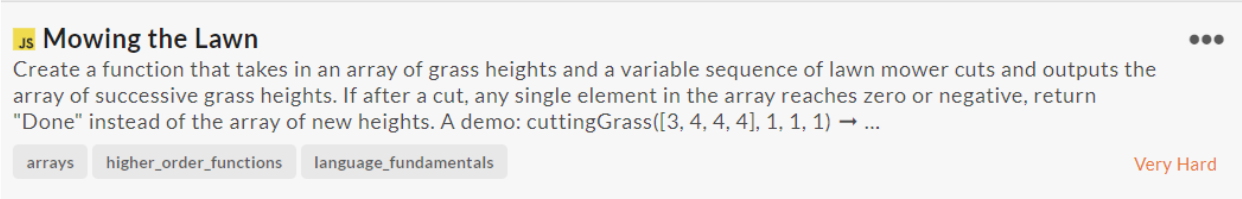
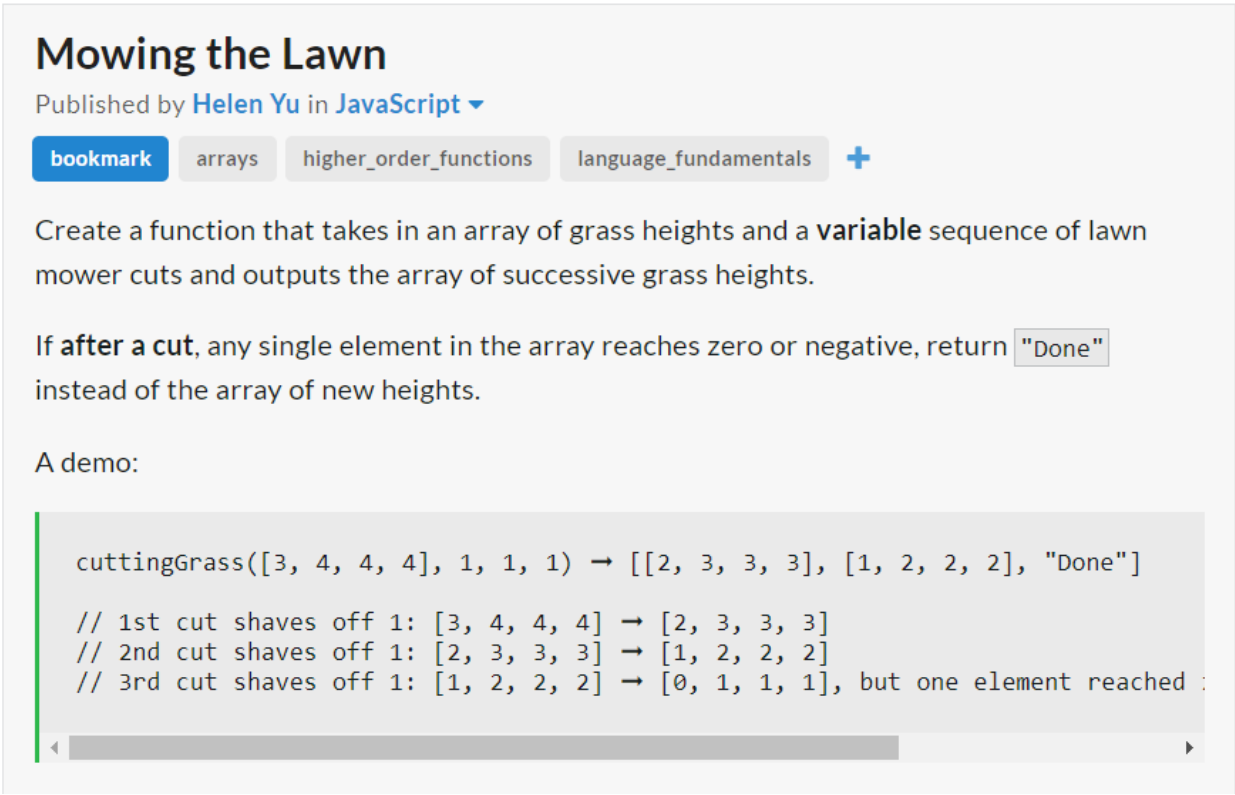
รหัสนักศึกษา 6206021612024 ชื่อ-นามสกุล นายกิตติศักดิ์ สุขสมัย Section 3

โจทย์ข้อที่ 9



introductions



Examples

```
cuttingGrass([5, 6, 7, 5], 1, 2, 1)
→ [[4, 5, 6, 4], [2, 3, 4, 2], [1, 2, 3, 1]]

cuttingGrass([4, 4, 4, 4], 1, 1, 1, 1)
→ [[3, 3, 3, 3], [2, 2, 2, 2], [1, 1, 1, 1], "Done"]

cuttingGrass([8, 9, 9, 8, 8], 2, 3, 2, 1)
→ [[6, 7, 7, 6, 6], [3, 4, 4, 3, 3], [1, 2, 2, 1, 1], "Done"]

cuttingGrass([1, 0, 1, 1], 1, 1, 1) → ["Done", "Done", "Done"]
```

Notes

- The number of lawn cuts is variable.
- There will be at least one cut.
- Return `"Done"` onwards for each additional cut if the grass has already been completely mowed (see fourth example).

SUGGEST EDIT

Code

assign > JS Mowing_the_Lawn.js > cuttingGrass

```
function cuttingGrass(arr, ...cuts) {
    let results = [];
    for(x=0;x<cuts.length;x++){
        let res = [];
        let zero = false;
        for(y=0;y<arr.length;y++){
            if(arr[y]>0){
                arr[y]-=cuts[x];
            }
            res[y]=arr[y];
            if(arr[y]==0){
                zero = true
            }
        }
        if(zero){
            results.push('Done');
        }else{
            results.push(res);
        }
    }
    return results;
}
```

```
23
24  console.log(cuttingGrass([4, 4, 4, 4], 1, 1, 1, 1))//, [[3, 3, 3, 3], [2, 2, 2, 2], [1, 1, 1, 1], "Done"])
25
26  console.log(cuttingGrass([5, 6, 7, 5], 1, 2, 1))//[[4, 5, 6, 4], [2, 3, 4, 2], [1, 2, 3, 1]])
27
28  console.log(cuttingGrass([8, 9, 9, 8, 8], 2, 3, 2, 1))//[[6, 7, 7, 6, 6], [3, 4, 4, 3, 3], [1, 2, 2, 1, 1], "Done"])
29
30  console.log(cuttingGrass([1, 0, 1, 1], 1, 1, 1))//["Done", "Done", "Done"])
31
32  console.log(cuttingGrass([4, 5, 4, 5], 2, 1, 1))//[[2, 3, 2, 3], [1, 2, 1, 2], "Done"])
33
34  console.log(cuttingGrass([4, 2, 2], 2, 1, 1))//["Done", "Done", "Done"])
```

Run

```
PS C:\Users\Admin\Desktop\JSpilot\JavaScript\assign> node .\Mowing_the_Lawn.js
[ [ 3, 3, 3, 3 ], [ 2, 2, 2, 2 ], [ 1, 1, 1, 1 ], 'Done' ]
[ [ 4, 5, 6, 4 ], [ 2, 3, 4, 2 ], [ 1, 2, 3, 1 ] ]
[ [ 6, 7, 7, 6, 6 ], [ 3, 4, 4, 3, 3 ], [ 1, 2, 2, 1, 1 ], 'Done' ]
[ 'Done', 'Done', 'Done' ]
[ [ 2, 3, 2, 3 ], [ 1, 2, 1, 2 ], 'Done' ]
[ 'Done', 'Done', 'Done' ]
PS C:\Users\Admin\Desktop\JSpilot\JavaScript\assign>
```