CPE/CSC 101

Today

- · Nested Loops
- · Assignment 4 Tips

- · Quiz map/filter
- · Assignment 3
 revisions due
 tomorron (2/9)
 by 10 pm

from typing import Optional index of max (L: List [float]) -> Optional [ints if L == [3: [7,2,9,4] else:

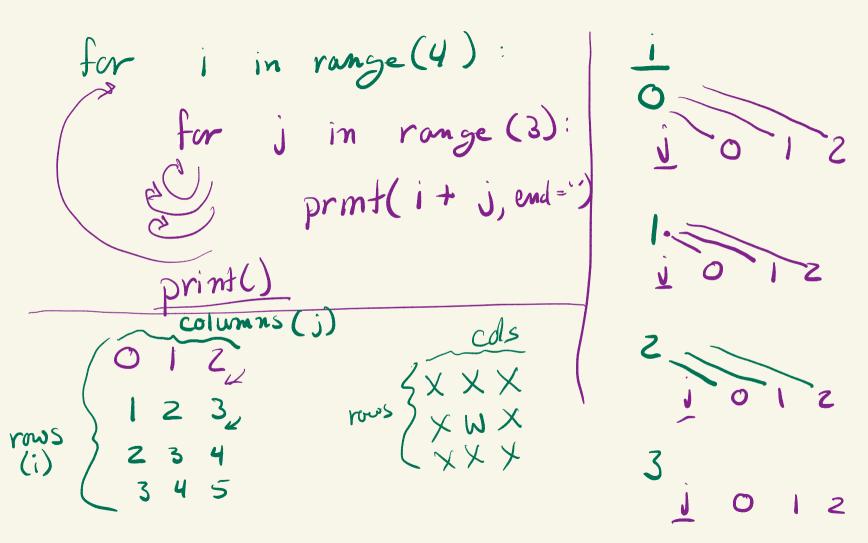
max_idx = 0 maxidx = 01 for i in range (len (L)):
if L[i] > L[max-idx]: [0,4,2,4,1] max_idx = i every element? yes return mox-idx ellidx? idx accumulator invariant

ido of more value

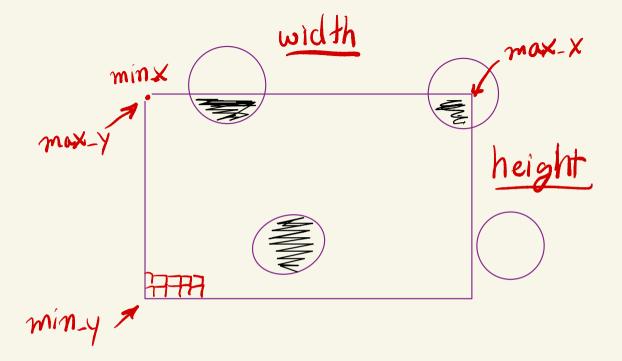
l = list (range(4)) $\Rightarrow [0, 1, 2, 3]$

```
asconding
def f(nums: List[float]) -> bool:
   for i in range(len(nums):
       if nums[i] < nums[i + 1]:
                                             i: 0 -> |en-1
i+1: 1 -> |en
T
           pass
       else:
           return False
   return True
```

for i in range (4): for j in range(3):



patturn = [
['x', 'x', 'x'],
['x', 'w', 'x'],
['x', 'x', 'x']
]



width x height = # of pixels

$$min \times = 0$$
 dx dx dx $max = X = 10$
 $max = 4 = 8$
 $0.8 \quad 2.3.8 \quad 5.8 \quad 7.5.8$
 $dx = max = x - min x$
 $wichth$
 $= 2.5$



