<u>Dates</u>

<u>Course</u>

<u>Progress</u>

<u>Help</u>

shengtatng ~

Discussion

(



<u>Calendar</u>

<u>Notes</u>

Finger Exercises due Oct 27, 2022 07:30 +08 Completed

Exercise 6

4/4 points (graded)

ESTIMATED TIME TO COMPLETE: 8 minutes

Here is another version of a sorting function:

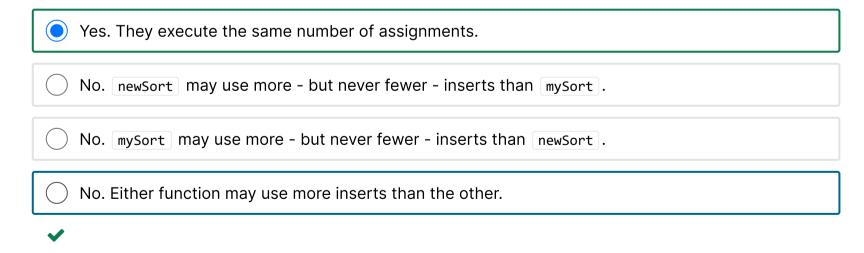
Compare this to:

```
def newSort(L):
    """ L, list with unique elements """
    for i in range(len(L) - 1):
        j=i+1
        while j < len(L):
        if L[i] > L[j]:
            temp = L[i]
            L[i] = L[j]
        L[j] = temp
        j += 1
```

1. Do these two functions result in the same sorted lists?



2. Do these two functions execute the same number of assignments of values into entries of the lists?



3. Is the worst-case order of growth of these functions the same?

```
Yes. newSort and mySort have the same complexity.

No. newSort has higher complexity than mySort.

No. mySort has higher complexity than newSort.
```

	es. newSort and my	Sort examine the same	number of entries.		
O No	o. newSort examine	es more entries than mys	Sort.		
O No	o. mySort examines	s more entries than news	Sort.		
	o. [mySort] and [newSort] netion will examine t	Sort examine different r the most entries.	numbers of entries, but	one cannot always	say which
~					
Submit					
ercise 6			Hide	Discussion	
	xercise 6				Add a Post
c: Lecture 12 / E					ent activity 🗸
	~			by rec	ent activity +
now all posts Question 2 I have verifie		by adding counters in the two fo	unctions to count the number of		6
ow all posts Question 2		by adding counters in the two fo	unctions to count the number o		6
ow all posts Question 2		by adding counters in the two f	unctions to count the number of		6



edX

<u>About</u>

<u>Affiliates</u>

edX for Business

Open edX

<u>Careers</u>

<u>News</u>

Legal

Terms of Service & Honor Code

Privacy Policy

Accessibility Policy

Trademark Policy

<u>Sitemap</u>



© All Rights Reserved

Connect

<u>Blog</u>

Contact Us

Help Center

Media Kit















© 2022 edX LLC. All rights reserved. 深圳市恒宇博科技有限公司 <u>粤ICP备17044299号-2</u>