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Exercise 3

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Finger Exercises due Oct 26, 2022 16:30 PDT

Completed

Exercise 3

34/34 points (graded)

ESTIMATED TIME TO COMPLETE: 13 minutes
Note that you will have to answer all questions before you can click the Check button.

For each of the expressions below, specify its type and value. If it generates an error, select type 'NoneType' and put the word 'error' in the box for the value. If it would be a function, select type 'function' and put the word 'function' in the box for the value.

If the method returns `None`, select type 'NoneType' and put the word 'None' in the box for the value.

Assume we've made the following assignments:

```
> listA = [1, 4, 3, 0]
> listB = ['x', 'z', 't', 'q']
```

You may want to refer to the [Python Library Reference](#) to learn about list methods. Assume these calls appear one after another (so if the list is modified in a question, that modification stays for subsequent questions).

1. `listA.sort`

function



function



2. `listA.sort()`

NoneType



None



3. `listA`

list



[0, 1, 3, 4]



4. `listA.insert(0, 100)`

NoneType



None



5. `listA.remove(3)`

NoneType



None



6. `listA.append(7)`

NoneType



None



7. `listA`

list



[100, 0, 1, 4, 7]



8. `listA + listB`

list



[100, 0, 1, 4, 7, 'x', 'z', 't', 'q']



9. `listB.sort()`

`listB.pop()`

string



z



10. `listB.count('a')`

int



0



11. `listB.remove('a')`

NoneType



error



12. `listA.extend([4, 1, 6, 3, 4])`

NoneType



None



13. `listA.count(4)`

int



3



14. `listA.index(1)`

int



2



15. `listA.pop(4)`

int



7



16. `listA.reverse()`

NoneType



None



17. `listA`

list



[4, 3, 6, 1, 4, 4, 1, 0, 100]



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Exercise 3

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? Type of method

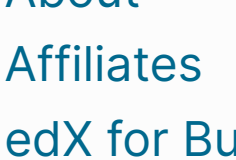
Any explanation (couldn't find one in the lecture or online) about why the type of a...

6

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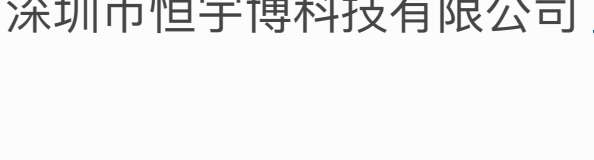
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