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Exercise 4

Finger Exercises due Aug 5, 2020 20:30 -03   *Completo*

Exercise 4

16/16 points (graded)
ESTIMATED TIME TO COMPLETE: 8 minutes
Note that you will have to answer all questions before you can click the Check button.

For the last expression in each question 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.
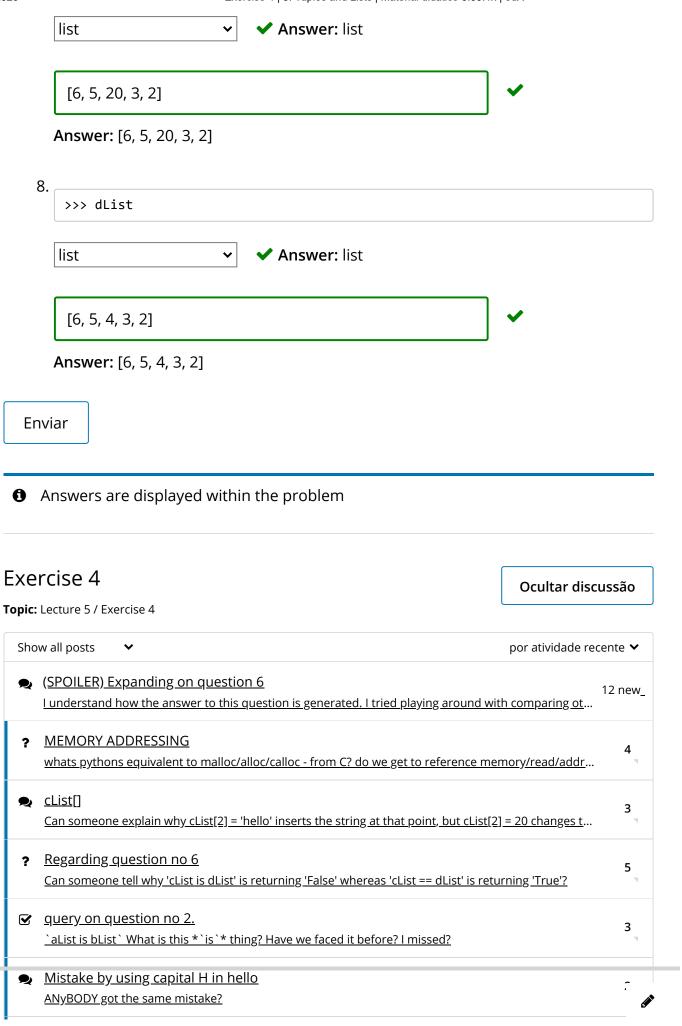
1.
```
>>> aList = [0, 1, 2, 3, 4, 5]
>>> bList = aList
>>> aList[2] = 'hello'
>>> aList == bList
```

boolean ▾   ✔ **Answer:** boolean

True   ✔ **Answer:** True

2.
```
>>> aList is bList
```

boolean ▾   ✔ **Answer:** boolean

True   ✔ **Answer:** True

3.
```
>>> aList
```

list ▾ ✔ **Answer:** list

[0, 1, 'hello', 3, 4, 5]   ✔

Answer: [0, 1, 'hello', 3, 4, 5]

4.
```
>>> bList
```

list ▾ ✔ **Answer:** list

[0, 1, 'hello', 3, 4, 5]   ✔

Answer: [0, 1, 'hello', 3, 4, 5]

5.
```
>>> cList = [6, 5, 4, 3, 2]
>>> dList = []
>>> for num in cList:
        dList.append(num)
>>> cList == dList
```

boolean ▾ ✔ **Answer:** boolean

True   ✔ **Answer:** True

6.
```
>>> cList is dList
```

boolean ▾ ✔ **Answer:** boolean

False   ✔ **Answer:** False

7.
```
>>> cList[2] = 20
>>> cList
```

list ✔ **Answer:** list

```
[6, 5, 20, 3, 2]
```
✔

Answer: [6, 5, 20, 3, 2]

8.
```
>>> dList
```

list ✔ **Answer:** list

```
[6, 5, 4, 3, 2]
```
✔

Answer: [6, 5, 4, 3, 2]

[Enviar]

ℹ **Answers are displayed within the problem**

Exercise 4

Topic: Lecture 5 / Exercise 4

[Ocultar discussão]

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💬 **(SPOILER) Expanding on question 6**   12 new_
I understand how the answer to this question is generated. I tried playing around with comparing ot...

? **MEMORY ADDRESSING**   4
whats pythons equivalent to malloc/alloc/calloc - from C? do we get to reference memory/read/addr...

💬 **cList[]**   3
Can someone explain why cList[2] = 'hello' inserts the string at that point, but cList[2] = 20 changes t...

? **Regarding question no 6**   5
Can someone tell why 'cList is dList' is returning 'False' whereas 'cList == dList' is returning 'True'?

☑ **query on question no 2.**   3
`aList is bList` What is this *`is`* thing? Have we faced it before? I missed?

💬 **Mistake by using capital H in hello**
ANyBODY got the same mistake?   ✏

? [Number 5](#)

Good Afternoon! I have a question about number 5. I'm not sure why dlist == clist is true. Because ar...

4

? [Last example](#)

I am not really sure why the answer in 8. is not exactly the same as in 7. Can anybody clarify me? Tha...

8