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## Exercise 4

### 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



✓ Answer: True

3.

>>> aList

✓ Answer: list

>>> [0, 1, 'hello', 3, 4, 5]

✓

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

4.

>>> bList

✓ 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
```

✓ Answer: boolean

✓ Answer: True

6.

>>> cList is dList

✓ Answer: boolean

✓ 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

Ocultar discussão

Topic: Lecture 5 / Exercise 4

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- (SPOILER) Expanding on question 6 6 new\_  
I understand how the answer to this question is generated. I tried playing around with comparing ot...
- cList[] 2  
Can someone explain why cList[2] = 'hello' inserts the string at that point, but cList[2] = 20 changes t...
- Last example 8  
I am not really sure why the answer in 8. is not exactly the same as in 7. Can anybody clarify me? Tha...