edX

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Exercise 2

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

Exercise 2

16/16 points (graded)
ESTIMATED TIME TO COMPLETE: 5 minutes
Note that you will have to answer all questions before you can click the Check button.
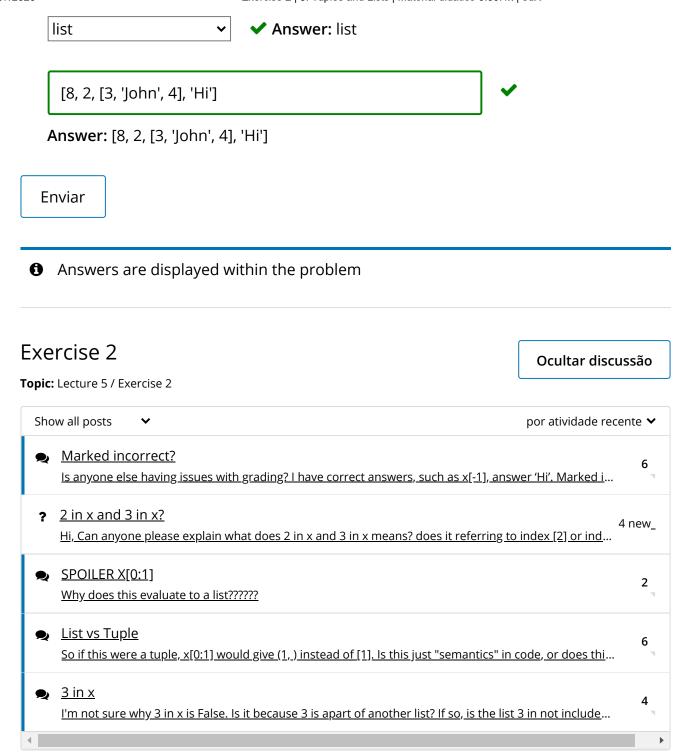
For each of the expressions below, specify its type and value. If it generates an error, select type 'NoneType' and put the word 'error' in the box for the value.

Assume we've made the following assignment:

```
x = [1, 2, [3, 'John', 4], 'Hi']
```

Additionally, assume that the expressions are evaluated in the order shown - that is, each problem part is evaluated directly after the previous problem part(s).

- `x[0]`

  int ∨   ✔ **Answer:** int

  1   ✔ **Answer:** 1

- `x[2]`

  list ∨   ✔ **Answer:** list

[3, 'John', 4]   ✔ **Answer:** [3, 'John', 4]

- `x[-1]`

string ⌄   ✔ **Answer:** string

Hi   ✔ **Answer:** 'Hi'

- `x[2][2]`

int ⌄   ✔ **Answer:** int

4   ✔ **Answer:** 4

- `x[0:1]`

list ⌄   ✔ **Answer:** list

[1]   ✔ **Answer:** [1]

- `2 in x`

boolean ⌄   ✔ **Answer:** boolean

True   ✔ **Answer:** True

- `3 in x`

boolean ⌄   ✔ **Answer:** boolean

False   ✔ **Answer:** False

- `x[0] = 8`

  `x`

list ⌄   ✔ **Answer:** list

[8, 2, [3, 'John', 4], 'Hi']   ✔   ✏

Answer: [8, 2, [3, 'John', 4], 'Hi']

Enviar

ℹ   Answers are displayed within the problem

Exercise 2

Ocultar discussão

Topic: Lecture 5 / Exercise 2

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💬 **Marked incorrect?**
Is anyone else having issues with grading? I have correct answers, such as x[-1], answer 'Hi'. Marked i...   **6**

❓ **2 in x and 3 in x?**
Hi, Can anyone please explain what does 2 in x and 3 in x means? does it referring to index [2] or ind...   **4 new**

💬 **SPOILER X[0:1]**
Why does this evaluate to a list??????   **2**

💬 **List vs Tuple**
So if this were a tuple, x[0:1] would give (1,) instead of [1]. Is this just "semantics" in code, or does thi...   **6**

💬 **3 in x**
I'm not sure why 3 in x is False. Is it because 3 is apart of another list? If so, is the list 3 in not include...   **4**

✏