edX

Curso > Week 3... > 5. Tupl... > Exercis...

Exercise 2
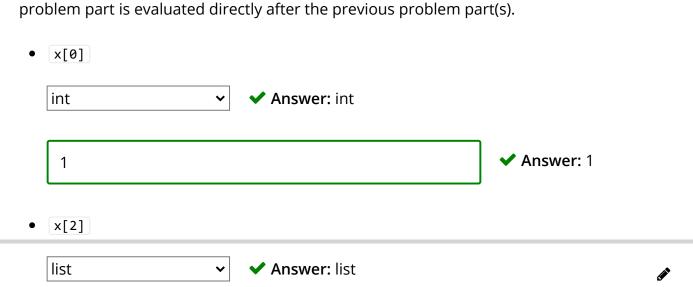
Exercise 2

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

Topic: Lecture 5 / Exercise 2

| Ocultar discussão |

Add a Post

| Show all posts ⌄ | | por atividade recente ⌄ |

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

| 💬 | **3 in x** | 4 |
| | 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... | |

| 💬 | **List vs Tuple** | 4 |
| | So if this were a tuple, x[0:1] would give (1,) instead of [1]. Is this just "semantics" in code, or does thi... | |

✏