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## Exercise 1

### Exercise 1

26 points possible (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')
```

Hints: [Single Element Tuples](#)

- `x[0]`

int



Answer: int

Answer: 1

- `x[2]`

tupie



Answer: tuple



**Answer:** (3, 'John', 4)

- `x[-1]`

**Answer:** string**Answer:** 'Hi'

- `x[2][2]`

**Answer:** int**Answer:** 4

- `x[2][-1]`

**Answer:** int**Answer:** 4

- `x[-1][-1]`

**Answer:** string**Answer:** 'i'

- `x[-1][2]`

**Answer:** NoneType**Answer:** error

- `x[0:1]`

Answer: tuple

Answer: (1,)

- `x[0:-1]`

Answer: tuple

Answer: (1, 2, (3, 'John', 4))

- `len(x)`

Answer: int

Answer: 4

- `2 in x`

Answer: boolean

Answer: True

- `3 in x`

Answer: boolean

Answer: False

- `x[0] = 8`

Answer: NoneType



Answer: error

Submit

**i** Answers are displayed within the problem

## Exercise 1


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- 
[x\[0:-1\] >>> \(1, 2, \(3, 'john', 4\)\) !!!](#)  
[x\[0:-1\] >>> \(1, 2, \(3, 'john', 4\)\) !!! no, at the end !](#)


4
- 
[Can't understand these 2 questions:](#)  
[1- x\[-1\]\[-1\] : This means first it slices 'Hi' and then slices itself 'Hi' as i right? 2- len\(x\) : The length is actually...](#)


3
- 
[Why does x\[0:-1\] not include the string "Hi"?](#)  
[I thought that writing '\[0:-1\]' when slicing was a way of going to the end of the string \(or tuple\) regardle...](#)


7
- 
[x\[0:1\]](#)  
[I don't quite understand why x\[0:1\] is not the same as x\[0\]?](#)


2
- 
[can't understand the answer x\[2\]\[2\] = .... \(spoiler\)](#)  
[what does x\[something\]\[something\] refers to anyway? and why it generates int not tuple?](#)

5
- 
[Please modify on your answers!](#)  
[The answer to x\[-1\]\[2\] should be: IndexError: string index out of range. Also the answer to x\[0\] = 8 shoul...](#)

2
- 
[3 in x](#)  
[Why this one is false? Is it because it is in a tuple of a tuple? Thanks.](#)

4
- 
[Question \(and consequently a spoiler\)](#)  
[EXTRA TEXT ENETERED SO THAT THE PREVIEW DOESNT REVEAL THE SPOILER. MAYBE THERE IS AN EASIE...](#)

2
- 
[Spoiler Correct answer but marked wrong](#)

6
- 
[I can't submit my answers](#)

Well, the submit button dosen't work even though I have typed everything correct.



The last one was tricky...  
Some tuple property at play...

3



Comma at the end

Why these ones don't show a comma at the end (of the output)? x[2] x[0:-1] Thanks!

3

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