edX

Exercise 2
NOTE: These exercises are ungraded.

Exercise 2 part 1

0 points possible (ungraded)
ESTIMATED TIME TO COMPLETE: 3 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 write the word 'error' (note this is a word, not a string, no quotes) in the box for the value. While you could simply type these expressions into your IDE, we encourage you to answer them directly since this will help reinforce your understand of basic Python expressions.

Assume we've made the following assignments:

```
> str1 = 'hello'
> str2 = ','
> str3 = 'world'
```

Note: Advanced String Slicing

Note: The Python 'in' operator

1. `str1`

   | string ▾ | ✔

   | hello | ✔

2. `str1[0]`

   | string ▾ | ✔

   | h | ✔

3. `str1[1]`

   | string ▾ | ✔

   | e | ✔

4. `str1[-1]`

   | string ▾ | ✔

   | o | ✔

5. `len(str1)`

   | int ▾ | ✔

   | 5 | ✔

   | Enviar | You have used 1 of 9999 attempts

Exercise 2 part 2

✎

0 points possible (ungraded)
ESTIMATED TIME TO COMPLETE: 7 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 write the word 'error' (note this is a word, not a string, no quotes) in the box for the value. While you could simply type these expressions into your IDE, we encourage you to answer them directly since this will help reinforce your understand of basic Python expressions.
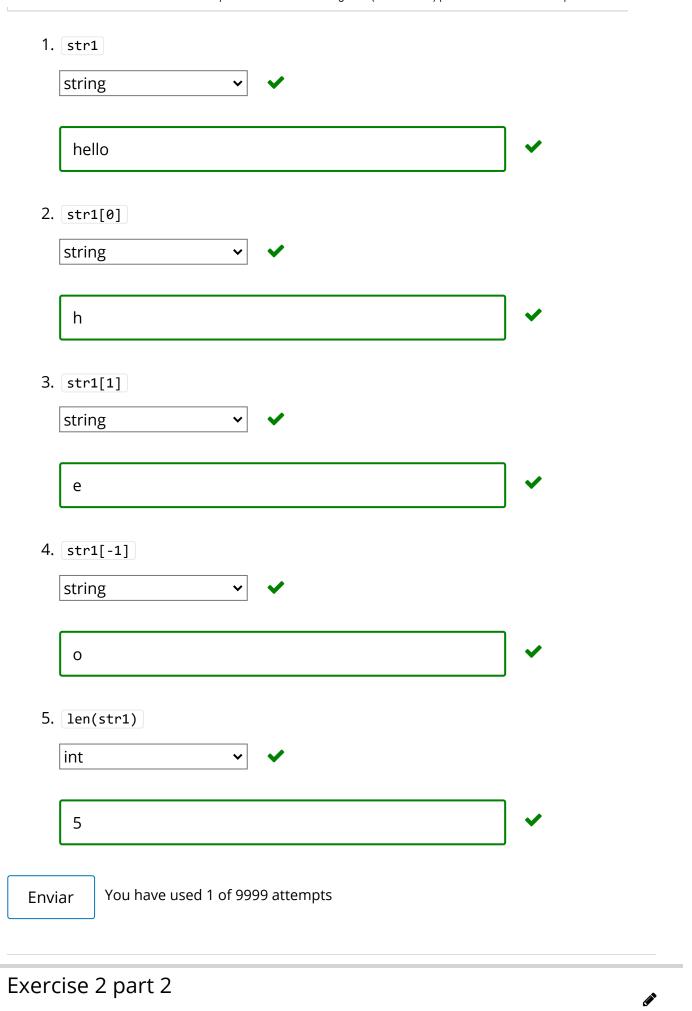
Assume we've made the following assignments:

```
> str1 = 'hello'
> str2 = ','
> str3 = 'world'
```

Note: Advanced String Slicing

Note: The Python 'in' operator

1. `str1[len(str1)]`

   NoneType ▾ ✔

   error ✔

2. `str1 + str2 + str3`

   string ▾ ✔

   hello,world ✔

3. `str1 + str2 + ' ' + str3`

   string ▾ ✔

   hello, world ✔

4. `str3 * 3`

   string ▾   ✔

   worldworldworld   ✔

5. `'hello' == str1`

   boolean ▾   ✔

   True   ✔

| Enviar | You have used 2 of 9999 attempts |

Exercise 2 part 3
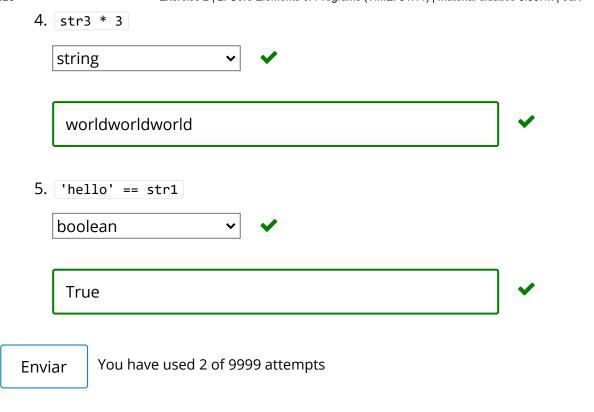
0 points possible (ungraded)
ESTIMATED TIME TO COMPLETE: 7 minutes
Note that you will have to answer all questions before you can click the Check button.

For each of the expressions below, specify its type and value. If it generates an error, select type 'NoneType' and write the word 'error' (note this is a word, not a string, no quotes) in the box for the value. While you could simply type these expressions into your IDE, we encourage you to answer them directly since this will help reinforce your understand of basic Python expressions.

Assume we've made the following assignments:

```
> str1 = 'hello'
> str2 = ','
> str3 = 'world'
```

Note: Advanced String Slicing

Note: The Python 'in' operator

1. `'HELLO' == str1`   ✏

boolean ✔

False ✔

2. `'a' in str3`

boolean ✔

False ✔

3.

```
str4 = str1 + str3
'low' in str4
```

boolean ✔

True ✔

4. `str3[1:3]`

string ✔

or ✔

5. `str3[:3]`

string ✔

wor ✔

Enviar   You have used 2 of 9999 attempts

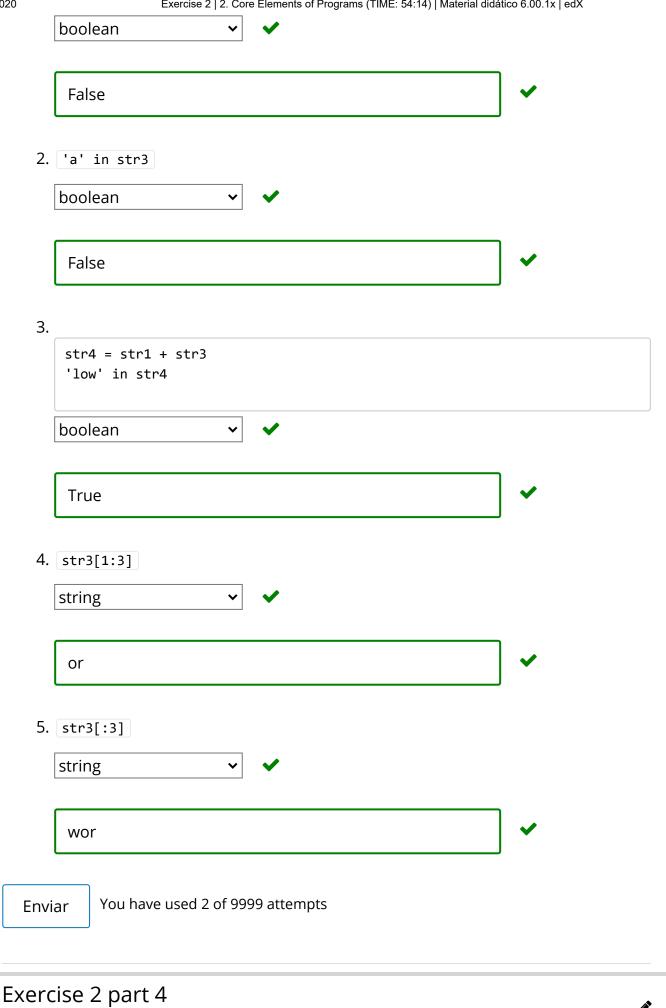# Exercise 2 part 4 ✏

0 points possible (ungraded)
ESTIMATED TIME TO COMPLETE: 7 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 write the word 'error' (note this is a word, not a string, no quotes) in the box for the value. While you could simply type these expressions into your IDE, we encourage you to answer them directly since this will help reinforce your understand of basic Python expressions.

Assume we've made the following assignments:

```
> str1 = 'hello'
> str2 = ','
> str3 = 'world'
> str4 = str1 + str3
```

Note: Advanced String Slicing

Note: The Python 'in' operator

1. `str3[:-1]`

   string ⌄ ✔

   worl ✔

2. `str1[1:]`

   string ⌄ ✔

   ello ✔

3. `str4[1:9]`

   string ⌄ ✔

   elloworl ✔ ✏

4. `str4[1:9:2]`

string ✔

elwr ✔

5. `str4[::-1]`

string ✔

dlrowolleh ✔

| Enviar | You have used 2 of 9999 attempts |

Exercise 2

Topic: Lecture 2 / Exercise 2

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?	**Can't click on submit in Exercise 2 part 4**	2
💬	**Exercise 2 part4** Please who can explain question 1,4 and 5	9
?	**Cannot submit Part 1 and Part 2** I have completed Part 1 and Part 2 exercises, but the Submit button is greyed out, and I am n…	2
💬	**Hiding the ball on negative indices** Why is there no write up in here about the effect of negative indices in general? I find it very di…	3
💬	**why is str1[-1] = o?** [-1] not covered in video lecture.	11
?	**Ex2 part3 number3** where there the word 'low' in string 4?????	5
?	~~Starting point for [::1]~~ As I understand it, this means to start at the very beginning , and slice till the end with a step i…	3

💬 <u>Exercise2_Part1 Question No:4</u>   2

💬 <u>Question 5 Part 4 (Spoiler)</u>   3
<u>Could someone explain why the answer would be 'dlrowolleh'</u>

💬 <u>Asking things which were not taught. Frustrated!</u>   12
<u>Asking things that were not taught. Frustrated!</u>

❓ <u>What is collections?</u>   4
<u>It is not an easy thing to google at my skill level. Can someone explain how collections and stri...</u>

❓ <u>Exercise 2 Part 4 question 4</u>   3
<u>Why is the answer elwr?</u>

💬 <u>String 'worl'</u>   2
<u>It was a lucky guess.</u>

❓ <u>str4[1:9:2] was elwr?</u>   3