



MITx: 6.00.1x

## Introduction to Computer Science and Programming Using Python

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## Exercise 7

### Exercise 7

6/6 points (graded)

**ESTIMATED TIME TO COMPLETE: 3 minutes****Note that you will have to answer all questions before you can click the Check button.**

Below is a transcript of a session with the Python shell. For each expression being evaluated, provide the type and the value the expression returns. If evaluating an expression would cause an error, select 'NoneType' and write the word 'error' (note this is a word, not a string, no quotes) in the box. While you could simply type these expressions into your IDE, we encourage you to answer them directly since this will help reinforce your understanding of basic Python expressions.

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

1.

```
>>> a = 3
>>> a + 2.0
```



2.

```
>>> a = a + 1.0
>>> a
```



3.

```
>>> a = 3
>>> b
```



## Exercise 7

**Topic:** Lecture 1 / Exercise 7

Add a Post

💬	<a href="#">Problem 3 part 2</a>	4
	What should go into the box. I understand that "b" is undefined so it is a nonetype, but what...	
💬	<a href="#">Exercise 7.2</a>	14
	I'm not agree with the solution given. If previous value of a is 5.0 then $a + 1.0 = 6.0$	
?	<a href="#">question</a>	2
	in exercise 7 please explain question 2.	
💬	<a href="#">Question 2</a>	1
	Initially missed to see the three questions in a sequential flow. If the three questions are see...	
💬	<a href="#">I think it needs to be described better.</a>	4
	I did not realize at first that it was all supposed to be one session so the problems 1,2 and 3...	
💬	<a href="#">question 1</a>	2
	question #1 does not return anything; only declares values. why is the correct response 5.0?	
💬	<a href="#">why last question can't accept Name Error?</a>	4
	b Traceback (most recent call last): File "<ipython-input-20-89e6c98d9288>", line 1, in <mod...	
✓	<a href="#">Incorrect solution for question 2</a>	3
	The python statement given is, <code>&gt;&gt;&gt; a = a + 1.0</code> hence the value of a should be 6.0, but the sol...	
💬	<a href="#">issue when using the phone</a>	1
	This may sound irrelevant, yet when typing in the answer for the last question on my phone...	
?	<a href="#">Exercise 7 Problem 2</a>	6
	How is the answer 4? Wouldn't it just be 1 because it was only added into itself once?	
✓	<a href="#">Exercise 7 only showing 3 of 6 questions.</a>	5
	As the title indicates, it is only showing three of the six quiz questions. I am using the Google...	
✓	<a href="#">Issue with Question 2</a>	12
	Why is the answer for #2 not 6.0? Isn't it the same as <code>a+= 1.0</code> so it adds 1.0 to the 5.0 from t...	
?	<a href="#">Problem 2</a>	8
	I understand the answer and how it is obtained, but should it not be NoneType and error si...	

