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Curso > Week 1... > 1. Intro... > Exercis...

## Exercise 6

Exercise 6

10/10 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 following expressions, indicate the value returned, or if the evaluation would lead to an error, write the word 'error' (note this is a word, not a string, no quotes). While you could simply type these expressions into an IDE, we encourage you to answer them directly since this will help reinforce your understanding of basic Python expressions.

For decimal answers, give the full result, or four decimal places of accuracy (whichever is shortest).

## Floating point errors

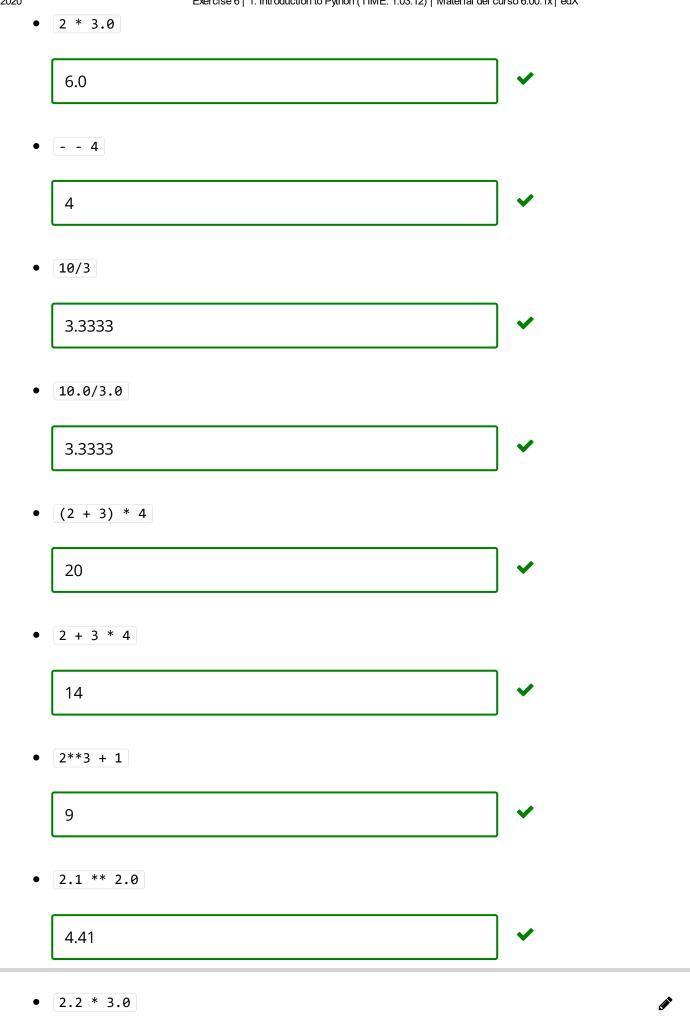
Decimal numbers cannot be stored exactly in the computer because the computer does not have an infinite amount of memory. So decimal numbers are rounded when stored. When you do calculations with these numbers, your final result will be different than the actual result. For example, you may get something like 5.0000000044 instead of 5.0. This is called floating-point rounding error.

• 6 + 12 -3

15



X



6.6



Enviar

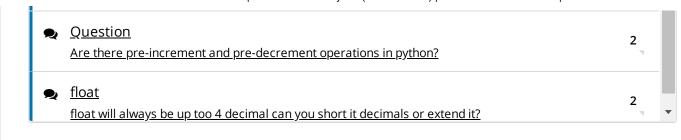
## Exercise 6

**Tema:** Lecture 1 / Exercise 6

Ocultar Discusión

## Add a Post

Mostrar todas las publicaciones ▼ por	actividad reciente	•
Number of digits after the comma  I think you should specify how many digits after the comma we should be using in		2
Be Mindful of Using Python 2.7  You may find that your 10/3 answer is different than the grader's. Bottom line - in	nstall the upda	1
rounding issue with answer for 10/3 and 10.0/3.0 your grader needs to be given a bit more intelligence	2	24
? About last excercise  Hi! I don't understand why the result of 2.2 * 3.0 has so many decimals. I thought		0
? How does syntax of4 work? I remember from the video lecture that the syntax for simple expression is <objective< p=""></objective<>		7
Question. What is **? I know equal +0	:	3
Python 2 vs Python 3 Division I noticed that python 2 does an integer division for two integers while python 3 do	esn't. For exa	2
4, how is this calculated in python? Initially I thought it might result in an error, but then I evaluated it like -(-4)	1	8
What is the diffrence between this "(2 + 3) * 4" and "2 + 3 * 4" I tho would be the same?  Why the there is a difference output between (2 + 3) * 4 as 20 and 2 + 3 * 4 as 14		3
?4 pre drecrement operator ?  Is not4 a pre drecrement operator in Python, like in c++? I thought the answer w		1
Copy/Paste I copy and pasted my answers directly from the shell and got them WRONG ple	ease fix this o	2



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