

Python4Beginners - Recap

Number of participants: 39



1.

Recap week

Today, both the lecture and the lab will be focused on reviewing notions we saw since the beginning of the semester.

The lecture will be a big interactive quiz (to be explained in the next slide).

The lab will be composed of a lot of small exercises, organized by "level" and notion. It won't be graded and you'll have to submit it individually. More info at 16:15.



2.

A big interactive quiz

I'm going to display 30 questions (mostly multiple-choice answers). I want you to honestly answer them (no cheating, no checking beforehand): it is not graded, it is anonymous. I want **everyone** to participate.

The goal is to make you review previous lessons and to let me know what notions are not clear. Therefore, it is perfectly **okay** if you did not chose the correct answer: it is even better as I will spend more time explaining the notion at stake.

You can also send questions on the messages section.

I enabled the "I'm confused" option, but please **only use it if you are completely lost and about to not answer at all or randomly pick an answer** (not if you are hesitating between several options, as mentioned before I would rather have you select what you think is the right answer, even if it turns out to be incorrect, than no answer at all).



3. Which elements of the following list are real Python *types*?

6 correct answers
out of 30 respondents

✓	list	67%	20 votes
	bag	0%	0 votes
✓	dict	53%	16 votes
✓	int	87%	26 votes
✓	tuple	67%	20 votes
	function	23%	7 votes
	print	13%	4 votes
	stack	0%	0 votes
✓	str	90%	27 votes
✓	float	87%	26 votes
	while	20%	6 votes
✓	set	60%	18 votes



4. What is the following line of code doing? `word = 'class'`

28 correct answers
out of 28 respondents

	Checking if the string 'class' is in the variable word, and returning True if it is.	0%	0 votes
	Nothing	0%	0 votes
✓	Creating a variable called word, that stores the string 'class'	100%	28 votes



5. What would be the output of: `print("112"*2)`

28 correct answers
out of 28 respondents

	224	0%	0 votes
	56	0%	0 votes
✓	"112112"	100%	28 votes
	110	0%	0 votes



6. What will happen if I use: `int("128")`

23 correct answers
out of 28 respondents

	SyntaxError	18%	5 votes
✓	It will convert the string "128" to an integer 128	82%	23 votes
	It will convert the integer 128 to a string "128"	0%	0 votes



7. Why is this code not doing anything?

12 correct answers
out of 25 respondents

	Endless loop	32%	8 votes
	The condition is not True	20%	5 votes
✓	The code is actually doing something	48%	12 votes



If I put the English alphabet in a variable such as: `alphabet = "abcdef..."`, what will be the output of `print(alphabet[2])`? What will be the output of `print(alphabet[-1])`?

23 correct answers
out of 28 respondents

	b and Error	0%	0 votes
	c and y	14%	4 votes
✓	c and z	82%	23 votes
	b and z	4%	1 vote



If I want to know how many letters are in a string, what function should I use?

28 correct answers
out of 28 respondents

	<code>print()</code>	0%	0 votes
	<code>find()</code>	0%	0 votes
✓	<code>len()</code>	100%	28 votes
	<code>split()</code>	0%	0 votes



10. What will "PytHoN".lower() return?

27 correct answers
out of 29 respondents

	"PYTHON"	7%	2 votes
	"Python"	0%	0 votes
✓	"python"	93%	27 votes



11. What will "PytHoN".find("p") return?

2 correct answers
out of 29 respondents

	True	0%	0 votes
	0	41%	12 votes
	1	10%	3 votes
✓	-1	7%	2 votes
	False	41%	12 votes



12. What will be the output of the following code?

21 correct answers
out of 28 respondents

	"The letter t is in the noun question"	25%	7 votes
✓	Nothing	75%	21 votes
	"The letter question is in the noun t"	0%	0 votes



13. What will be the output of the following code?

25 correct answers
out of 28 respondents

✓	"The letter t is in the noun question"	89%	25 votes
	Nothing	11%	3 votes
	"The letter question is in the noun t"	0%	0 votes



14. What will be the output of the following code?

25 correct answers
out of 28 respondents

✓	Yes	89%	25 votes
	No	0%	0 votes
	Nothing	11%	3 votes



15. What will be the output of the following code?

17 correct answers
out of 29 respondents

	No	0%	0 votes
	The letter t is in the noun question The letter q is in the noun question	34%	10 votes
	The letter q is in the noun question	7%	2 votes
✓	The letter t is in the noun question	59%	17 votes



16. What will be the output of the following code?

11 correct answers
out of 28 respondents

	It will print word by word: "this" "is" "a" "question"	61%	17 votes
✓	It will print character by character: "t" "h" "i" "s"...	39%	11 votes
	It will print the full sentence: "This is a question"	0%	0 votes



17. What will be the output of the following code?

20 correct answers
out of 27 respondents

	It will print character by character (c l a s s)	15%	4 votes
✓	Endless loop on the first character (c c c c...)	74%	20 votes
	It will print the different indexes (0 1 2 3 4)	11%	3 votes



18. `pronouns = ["i", "you", "he", "she", "they", "it", "we"]`
`print(pronouns[1])` What will the preceding code print?

29 correct answers
out of 29 respondents

<input type="checkbox"/>	"i"	0%	0 votes
<input type="checkbox"/>	"y"	0%	0 votes
<input checked="" type="checkbox"/>	"you"	100%	29 votes



19. `pronouns.append("me")` If I execute the preceding line, what will happen?

26 correct answers
out of 28 respondents

<input checked="" type="checkbox"/>	"me" will be added at the end of the list	93%	26 votes
<input type="checkbox"/>	"me" will be deleted from the list	0%	0 votes
<input type="checkbox"/>	"me" will be added at the start of the list	7%	2 votes



**noisy_text = "I/am/chaotic/what/
20. can/I/do" noisy_text.split("/")
What will be the output?**

23 correct answers
out of 29 respondents

- | | | | |
|---|--|-----|----------|
| | a string without /:
"I am chaotic what
can I do" | 14% | 4 votes |
| ✓ | a list of strings without /: ["I",
"am",
"chaotic", "what", "can", "I", "do"] | 79% | 23 votes |
| | a list of strings
with /: ["I/", "am/",
"chaotic/", "what/",
"can/", "I/", "do/"] | 7% | 2 votes |



**21. What will happen if I do:
set(noisy_text.split("/")) ?**

20 correct answers
out of 28 respondents

- | | | | |
|---|---|-----|----------|
| ✓ | It will turn the list
into a set =
removing
duplicates | 71% | 20 votes |
| | It will turn the list
into a set = the
items stay the
same | 7% | 2 votes |
| | It will turn the
string into a set =
removing
duplicates | 21% | 6 votes |



22. **details = {"Name":"Sasha", "Job":"Baker", "Age":28} How to add some information about Sasha's hobbies?**

18 correct answers
out of 25 respondents

✓	<pre>details["Hobbies"] = ["paint", "run", "climb"]</pre>	72%	18 votes
	<pre>details.get("Hobbies")</pre>	0%	0 votes
	<pre>details = { "Hobbies": ["paint", "run", "climb"] }</pre>	20%	5 votes
	<pre>details.append("paint", "run", "climb")</pre>	8%	2 votes
	<pre>details["Hobbies"] = "paint", then details["Hobbies"] = "run", then details["Hobbies"] = "climb"</pre>	0%	0 votes



with `open("novel.txt")` as `f`: `text = f.readline()` What will the text variable contain? (assuming that the file "novel.txt" contains a novel)

15 correct answers
out of 26 respondents

	a list with all the lines of the file	8%	2 votes
	a list with the first line of the file only	19%	5 votes
✓	a string: the first line of the file	58%	15 votes
	a string: the whole file	15%	4 votes



24. **with open("novel.txt", "w") as w:
w.write("They lived happily ever
after. END.") What will the file
"novel.txt" contain now?**

9 correct answers
out of 23 respondents

	The full novel + "They lived happily ever after. END" at the end	52%	12 votes
	"They lived happily ever after. END" (at the start) + the full novel	4%	1 vote
	Nothing	4%	1 vote
✓	Only the line: "They lived happily ever after. END."	39%	9 votes



25. What is/are the parameter/s of this function?

23 correct answers
out of 26 respondents

"spice", "watermelon"	12%	3 votes
print, len	0%	0 votes
longest	0%	0 votes
✓ word1, word2	88%	23 votes



26. What will happen when you call the function (last line)?

5 correct answers
out of 24 respondents

✓	It will print "Okay, let's compare spice and watermelon" and return "watermelon"	21%	5 votes
	It will print "Okay, let's compare spice and watermelon", return "watermelon" and print "Bye!"	71%	17 votes
	It will only print "Okay, let's compare spice and watermelon"	4%	1 vote
	It will only print "Bye!"	4%	1 vote
	It will only return "watermelon"	0%	0 votes



If we create a variable with
chosen_word =

27. longer_word("spice",
"watermelon"), what will it
contain?

15 correct answers
out of 25 respondents

	"spice"	0%	0 votes
✓	"watermelon"	60%	15 votes
	"Bye!"	4%	1 vote
	"Okay, let's compare spice and watermelon" and "watermelon"	36%	9 votes



28. What is the problem with the following function?

5 correct answers
out of 22 respondents

	There's no problem.	41%	9 votes
✓	"ingredients" should be defined within the function or given as an argument.	23%	5 votes
	You have to include a print() in the function.	5%	1 vote
	The multiplication won't work.	32%	7 votes



29. Fill in this sentence with the correct answer.

23 respondents

In Python, if I want to iterate through the elements of a list, I should use a **for** (18) loop.



32. What do you think is the problem with this code?

0 correct answer
out of 0 respondent

	There's no problem.	0%	0 votes
	It will lead to an error.	0%	0 votes
	Nothing will be printed.	0%	0 votes
✓	It is okay, but it is going to take some time to run.	0%	0 votes