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# Exercise 6

Finger Exercises due Aug 5, 2020 20:30 -03 Completo

## Exercise 6

15/15 points (graded)

#### **ESTIMATED TIME TO COMPLETE: 10 minutes**

Below are some short Python programs. For each program, answer the associated questions.

Try to answer the questions without running the code. Check your answers, then run the code for the ones you get wrong. You'll learn the most this way, by figuring things out, instead of just running the code and reading off the answers.

```
1. myStr = '6.00x'
   for char in myStr:
       print(char)
   print('done')
      1. How many times does 6 print out?
                                                                   Answer: 1
          1
      2. How many times does . print out?
```

🖊 Answar 1

3. How many times does 0 print out? ✓ Answer: 2 2 4. How many times does x print out? Answer: 1 1 5. How many times does done print out? Answer: 1 1 greeting = 'Hello!' count = 0for letter in greeting: count += 1 if count % 2 == 0: print(letter) print(letter) print('done') 1. How many times does H print out? Answer: 1 1 2. How many times does e print out? Disregard the letters in the word done. ✓ Answer: 2 2 3. How many times does 1 print out? Answer: 3 3 4. How many times does o print out? Disregard the letters in the word done.

Exercise 6 | 2. Core Elements of Programs (TIME: 54:14) | Material didático 6.00.1x | edX Answer: 1 5. How many times does ! print out? Answer: 2 2 6. How many times does done print out? Answer: 1 1 school = 'Massachusetts Institute of Technology' if char == 'a' or char == 'e' or char == 'i' \

numVowels = 0numCons = 0for char in school: or char == 'o' or char == 'u': numVowels += 1 elif char == 'o' or char == 'M': print(char) else: numCons -= 1 print('numVowels is: ' + str(numVowels)) print('numCons is: ' + str(numCons))

1. How many times does o print out? Disregard the o's in last two print statements.



2. How many times does M print out?

```
Answer: 1
1
```

3. What will the value of the variable numVowels be?

11 Answer: 11 4. What will the value of the variable numCons be? -25

Answer: -25

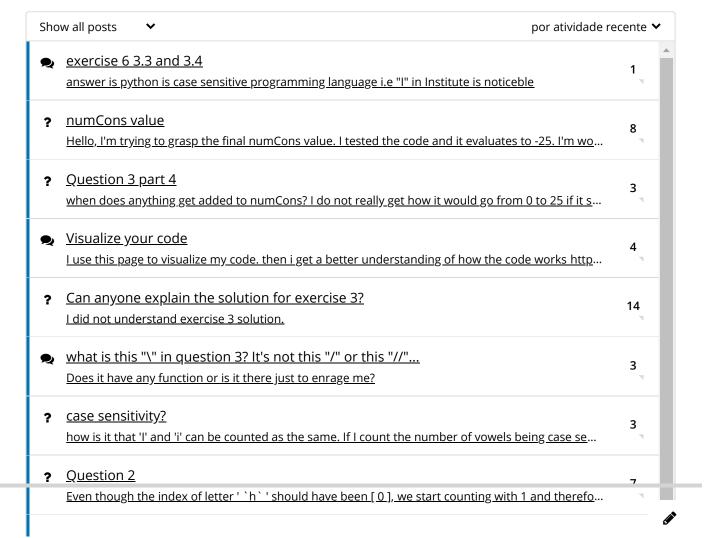
Enviar

**1** Answers are displayed within the problem

## Exercises 6

Ocultar discussão

Topic: Lecture 2 / Exercises 6



2	Question 3  Question 3 is a little bit challenging. Think as a computer and don't assume you know what are vo	3	
?	Question 3 I need help understanding  Hi, how come 'o' doesn't get printed? The variable school does contain the character string 'o'.	6	
?	Why is question3.4 negative What did I miss? Why is the NumCon(s) negative?	3	
2	Exercise 3 is more of a brain teaser. Think hard about what the computer will actually be countin	2	
?	Problem Q3 When I paste the code provided in Spyder, it doesn't run properly. In the last part it says: "M Trac	2	•

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