Top of Form



Bottom of Form

Top of Form



# Python 3: The Python Environment Lesson 5, Quiz 2

Handed in: 3 Jun 2015 10:44:11PM Graded: 4 Jun 2015 10:31:47PM

**Question 1:**

Write a pattern that matches a sequence of one or more lower-case letters between a and h, all lowercase.

##### Your Answer:

regex = r"[a-h]+"

##### Mentor Comments:

*none*

**Question 2:**

If the pattern "((?P<letters>[A-Za-z]+)\d+ +)+" is matched against the string "ABC123 DEF234 GHI345" to give a match object **m**, how would you retrieve the string matched by the "letters" group, and what would it contain?

##### Your Answer:

m.group('letters')

'DEF'

Note: My initial hunch said it would return any group of one or more capital or lowercase letters [A-Za-z]+ followed by one or more digits \d+ that have a space after them + and it would return that pattern multiple times +. Running the code in the interpreter only yielded 'DEF' so I'm a bit confused.

##### Mentor Comments:

"((?P[A-Za-z]+)\d+ +)+" because of the + on the end it's looking for 1 or more 'XYZ123 ' patterns, space included.

It would keep going to the right as long as it found more such patterns. Named group ends up matching just the

letter part of the last group the surrounding pattern matches.

Similar:

>>> regex = "((?P[A-Z])\d+ )+"

>>> target = "A1 B2 C3 D4 EF GG 66"

>>> m = re.search(regex, target)

>>> m.group("letter")

'D'

### Overall Comments:

Good work. See comments.

-Kirby

### Grade:

Great

[Take Me Back](ostreturn:)

© 2014, O'Reilly Media, Inc. All rights reserved.

Bottom of Form