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# Python 3: The Python Environment Lesson 10, Quiz 1

Handed in: 9 Jun 2015 01:29:10AM Graded: 11 Jun 2015 10:23:29AM

**Question 1:**

Are Properties more or less specific than the special attribute methods? Explain your answer.

##### Your Answer:

I would argue they're equally as specific as they accomplish the same tasks that special methods do. They're extremely useful when you need to apply logic to existing code without having to rewrite everything but if you know that special methods will be required from the outset, it is best to write them from the beginning.

##### Mentor Comments:

the reason we say "more specific" is with @property you can target a single attribute whereas when one modifies \_\_setattr\_\_ (as in Centipede project) the ripple effects spread to all lookups using obj.attr notation.

**Question 2:**

What is the customary prefix character on the storage field of a property?

##### Your Answer:

@

##### Mentor Comments:

used to symbolize private or internal names. Using two of them actually triggers a name-mangling routine.

Our examples use this character to indicate the name is protected by a setter and getter. Not the decorator

operator.

**Question 3:**

What is the decorator for turning the time() method into a property setter? Your answer should replace the ??? below:

???

def time(self, value):

self.\_time = value

##### Your Answer:

@time.setter

##### Mentor Comments:

*none*

**Question 4:**

What is the decorator for turning the time() method into a property getter—replacing the ??? below?

???

def time(self):

return self.\_time

##### Your Answer:

@time.getter

##### Mentor Comments:

there is no @xxx.getter as when one is wrapping a method named xxx for the first

time, there's no name xxx yet. It's only after the getter is made, with another @yyy

(the right answer) that @xxx.setter then becomes a usable name.

### Overall Comments:

Q2 and Q4 have better answers. See all comments. You're doing great.

-Kirby

### Grade:

Try Again

Your instructor would like you to work on this quiz. Be sure to hand in your corrections!

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