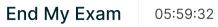🏠 Course / Final Exam / Final Exam (8 hour time limit)

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Problem 6

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Problem 6

20.0/20.0 points (graded)

Consider the following hierarchy of classes:

```python
class Person(object):
    def __init__(self, name):
        self.name = name
    def say(self, stuff):
        return self.name + ' says: ' + stuff
    def __str__(self):
        return self.name

class Lecturer(Person):
    def lecture(self, stuff):
        return 'I believe that ' + Person.say(self, stuff)

class Professor(Lecturer):
    def say(self, stuff):
        return self.name + ' says: ' + self.lecture(stuff)

class ArrogantProfessor(Professor):
    def say(self, stuff):
        return 'It is obvious that ' + self.say(stuff)
```

As written, this code leads to an infinite loop when using the `Arrogant Professor` class.

Change the definition of `ArrogantProfessor` so that the following behavior is achieved:

```python
e = Person('eric')
le = Lecturer('eric')
pe = Professor('eric')
ae = ArrogantProfessor('eric')

>>> e.say('the sky is blue')
eric says: the sky is blue

>>> le.say('the sky is blue')
eric says: the sky is blue

>>> le.lecture('the sky is blue')
I believe that eric says: the sky is blue

>>> pe.say('the sky is blue')
eric says: I believe that eric says: the sky is blue

>>> pe.lecture('the sky is blue')
I believe that eric says: the sky is blue

>>> ae.say('the sky is blue')
eric says: It is obvious that eric says: the sky is blue

>>> ae.lecture('the sky is blue')
It is obvious that eric says: the sky is blue
```

Paste ONLY your `ArrogantProfessor` class in the box below. Do not leave any debugging print statements.

```
1 class ArrogantProfessor(Professor):
2     def say(self, stuff):
3         return self.name + ' says: ' + 'It is obvious that ' + Person.say(self, stuff)
4     def lecture(self, stuff):
```

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```
5        def lecture(self, stuff):
             return "It is obvious that " + Person.say(self, stuff)
```

Press ESC then TAB or click outside of the code editor to exit

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