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IT FDN 110 A Au 24

Module 7

https://github.com/Gamezpd/IntroToProg-Python-Mod07

Module 7 Breakdown

Process Introduction

Module 7. I add the tasks for easy reference, not to pad my assignment write up. Just a heads up for this portion I did start with a student class first, wrote it into a functional Person class, then just changed the name. By screenshot 3 I post it and also have fixed it by then.

```
# TODO Create a Person Class

# TODO Add first_name and last_name properties to the constructor (Done)

# TODO Create a getter and setter for the first_name property (Done)

# TODO Create a getter and setter for the last_name property (Done)

# TODO Override the __str__() method to return Person data (Done)

# TODO Create a Student class the inherits from the Person class (Done)

# TODO call to the Person constructor and pass it the first_name and last_name data (Done)

# TODO add a assignment to the course_name property using the course_name parameter (Done)

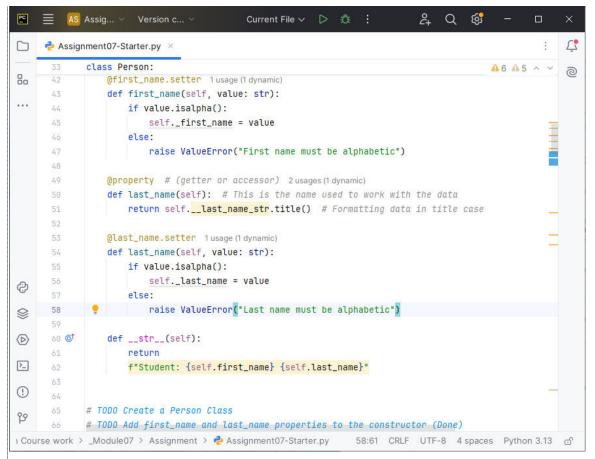
# TODO add the getter for course_name (Done)

# TODO add the setter for course_name (Done)

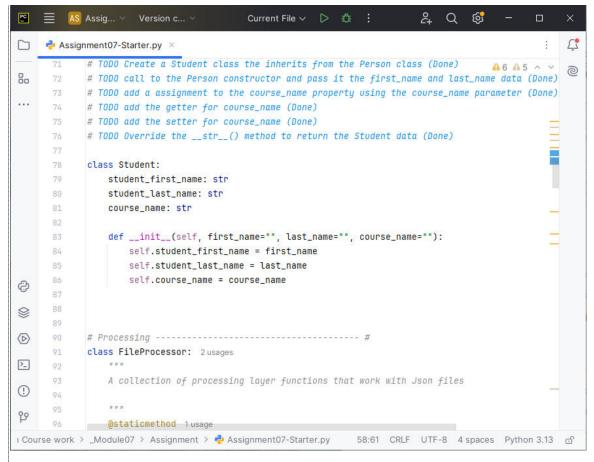
# TODO Override the __str__() method to return the Student data (Done)
```

```
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80
            class Person:
      34
                def __init_(self, first_name, last_name):
                  self._first_name = first_name
                  self._last_name = last_name
                Oproperty # (getter or accessor) 2 usages
      39
                def first_name(self): # This is the name used to work with the data
      40
                return self.__first_name_str.title() # Formatting data in title case
      41
      42
                Ofirst_name.setter
      43
                def first_name(self, value: str):
      44
                if value.isalpha():
                       self._first_name = value
      46
                    else:
      47
                       raise ValueError("First name must be alphabetic")
                Oproperty # (getter or accessor)
0
      50
                def last_name(self): # This is the name used to work with the data
                    return self.__last_name_str.title() # Formatting data in title case
>_
      52
                Ofirst_name.setter
1
                def last_name(self, value: str):
      54
                    if value.isalpha():
99
            self._last_name = value
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```

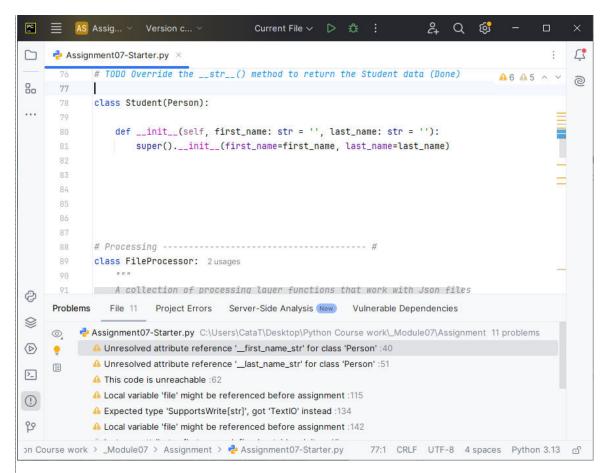
Person class. Created the function, double underscore to make it private, first name and last name properties given to the constructor, this "init" method. Getter and setter set for both first and last name. And I did catch the @setter for last_name was incorrect. Fixed it slightly later. Also here is the rest of the class:



I added the string override to line 62. At least thats my understanding of the override. Basically the method is built in and would print say, the location of memory holding whatever youre pushing. But now tthat it is going to print Student: Vic Vu, for example. The next instance of override will pull from this class with the "super" call to constructor, but we're getting ahead of ourselves. I already made the student class ahead of time to hold its spot.

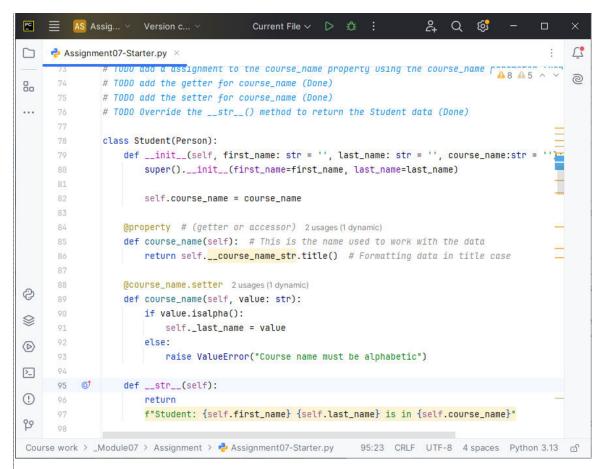


I made this first, as it was supposed to be the Person class but we can fix it now:

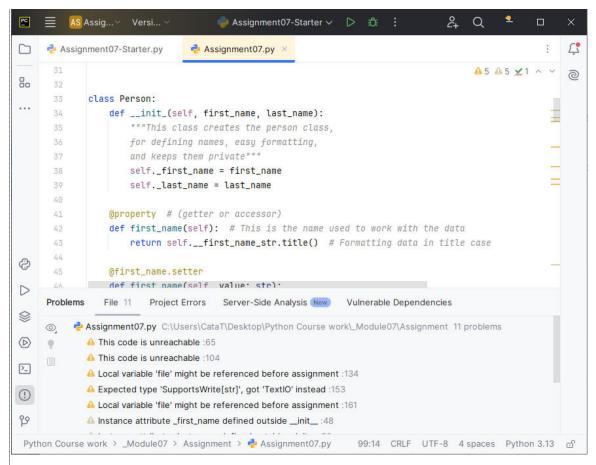


So now it calls to the Person class. The next task is to add in course names. So, can I just self.course_name into the Student class? I am a little confused about the "add a assignment to coure_name property" wording. Is adding an assignment a function I missed, or does that mean just assigning a course_name attribute value? I hope its the latter, this module in particular is a bit rough to wrap the head around.

So now the Student class is done:



All the tasks are done. Thats module 7. Oh wait I missed the "All classes include descriptive document strings" requirement. Lets fix that:



Added some descriptive comments for the Student class as well. Getters and Setters, are they techincally methods? I think so, but they just are also just, the Getters and Setters, so I'll leave them alone.