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ITFDN110

Assignment07

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

Assignment 07 – Classes and Objects

Introduction

Assignment 07 introduces us to the concept of constructors, getters, and setters within classes. We build upon the script we've been building all class long. We must refactor code to use the new student class we create.

Student Class

In Assignment 07 we create two new classes, Person and Student. Student inherits the properties of Person. This is because having a first and last name is not unique to a student, all people have a first and last name. However, not all people will be taking courses. Thus, we inherit the base attributes of a person into a new class student.

Here is an excerpt from the student class:

```python
# Course name constructor
@property
def course_name(self):
    return self.__course_name

def __init__(
        self,
        first_name: str = '',
        last_name: str = '',
        course_name: str = ''
):
    super().__init__(
        first_name=first_name,
        last_name=last_name
    )
    self.course_name = course_name
```

Summary

To complete this assignment, we learned how to inherit classes into other classes, how use objects, and how to call those new classes and refactor our code.