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

Assignment 7 - Classes

Introduction
I was tasked with creating a Python script that shows my understanding of creating and using classes to manage data, use constants, variables, and print statements.

Topic

It was interesting to learn how to create a class and use it. It is setting up a basic structure for wide use in the future. Say we have a program about animals, maybe a pet store where we keep track of our animals and different info they have like their type, age, weight, food, price, etc. I will create a class Animal with appropriate parameters like weight, length for example. Then I can create another class for Birds, another for Fish, etc. They will inherit the properties from their Parent class, Animals. If I create another one, TropicalBirds , I can make it inherit whatever properties I had in Birds too. This is really interesting and helps to have a modular code.
The biggest helpers were the reading materials to understand what all this means, and the reference code in the labs. Here we're dealing with a Person class and a Student class that is under the Person class. class Person: → class Student(Person):
 First and Last names are passed from the Person class to the Student, but the Student class also adds its own new property - name of the course that student is registered for. The starter code was helpful as always and I found a couple spots that I thought I'd need to tweak a bit, like the error message and how to Not accept an empty input or a space (or a bunch of spaces) for the student course property. Adding that was challenging because I confused myself and first used name.isalpha(): , then name.isalnum(): and I was not really hitting the goal I set for that specific case. If I had an entry like "english 101", it would fail because of the space character in the middle. Instead, I ended up using if not value.strip(): to check if user input was not there, if they just hit Enter or entered space(s). That was the trickiest part for me until I got to github. I made a repo online, but also I went into my project folder and initiated a repo. When I tried to get my project folder and files committed and pushed, I had my 1st error - authentication. I could not login w/ my username/pswd and had to generate a token and use that instead. After fixing the login issue and connecting to my account, I had to pull the remote branch and merge it with what I had on the machine locally - figuring this out took some time but I finally got it and committed, and pushed it all up.