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IT FDN 110 A Wi 24: Foundations Of Programming: Python

Assignment 07

<https://github.com/noah-sandvig/ntroToProg-Python-Mod07>

Assignment 07 - Classes and Objects

Introduction

The base of this week's code was the repeated option menu loop from the last few weeks, in which the user is presented four options- register a student, show current data, save data to a file, and exit the program.

Two additional classes were created: "Person", which contained functionality related to first name and last name variables, and "Student" which inherited first name and last name from "Person" and also contains functions related to the course name.

Data Processing

Data processing functionality was similar to previous weeks, but use of the "Person" and "Student" classes replaced use of dictionaries. In most cases this streamlined the code, but because JSON files require dictionaries, conversion segments loops between the object format and JSON (dictionary) format were added.

Summary

Classes and methods allowed simplification of the main body of the script.