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| Rain Doggerel | 2022-Nov-30 |
| Assignment 08 | IT FDN 110 Au 22: Foundations of Programming: Python |

Knowledge Document Assignment 08

# Introduction

This assignment seemed to ask us to rewrite the CD Inventory project more from scratch using classes and OOP.

# Writing the script

I looked up os for Python so I could implement clearing the screen finally, which is probably less helpful for testing but nicer for a user experience, however the terminals in the IDEs did not like how it worked so I removed it.

I renamed many of the variables since we were starting mostly from scratch too. I wanted them to make more sense about some of their scope or direction, and in an age with autocomplete in almost every IDE, I feel minimal need to abrv evrytng. (I think it would be a nice IDE feature to expand/condense various names though).

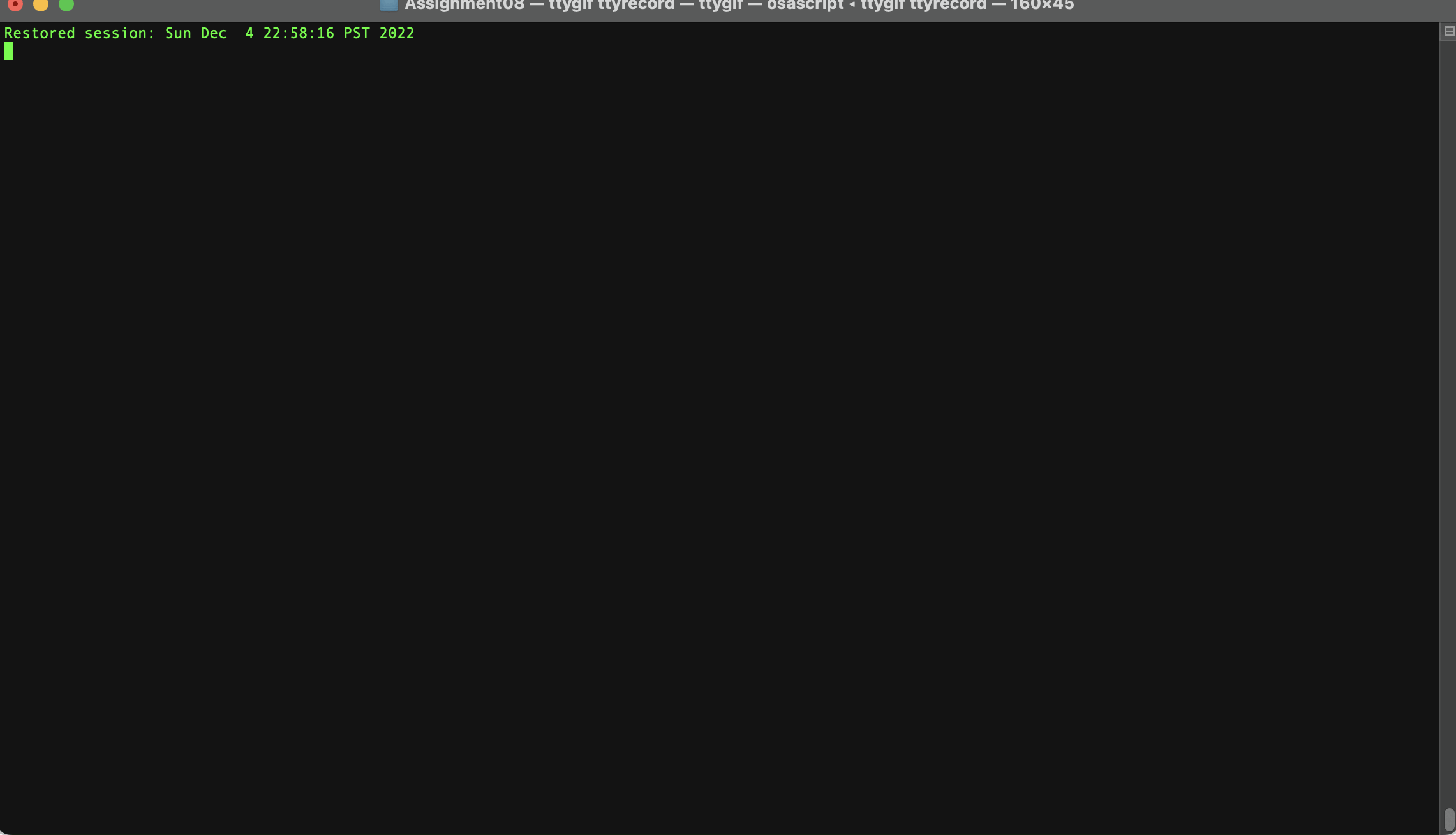
It was a little anxiety inducing to be deleting objects by just removing them from the list they get put into in Python, but I guess that’s just some of my own retro programming concerns, I’ve got to trust Python to garbage collect. I wanted and began to write a deconstructor, but I guess we’re not supposed to in this course. I did put in a little more flexibility in how the program handled bad input (different than error handling specifically).

I ran into a return error in the way I implemented loading, wherein if you backed out it returned None, which was bad for overwriting your inventory when you already didn’t want to. I could’ve wrapped this in some more logic to avoid that but I ended up changing it to not return but instead change the value in the function, which maybe makes more sense anyway since that list is a component of the same class as the function.

# Github

<https://github.com/falsedog/Assignment_08>

# Screenshot



1: The script running in terminal

Text

Description automatically generated

2. The script running in Spyder

# Summary

It was pleasant to rewrite everything. I switched to using PyCharm to write most of my code and it’s PEP8 suggestions and others were nice even if I think two spaces before a comment is silly, but it’s nice to be ‘in compliance’ in a verified sort of way. PyCharm also just looks nicer? I did move the built-in terminal to the side more like Spyder though.