

David Nguyen

dxn180015

Dr. Karen Mazidi

CS 4395.001

An Overview of HW1

The python program “HW1_dxn180015.py” reads in a csv file after a user inputs the file’s path and it then processes the text to be more standardized. It creates a person object for each person and may ask for corrections from the user if the data is invalid and needs to be changed for standardization. The objects are stored in a dict. The dict is also turned into a pickle file and then back into a list. It then outputs each person’s information / standardized data.

Run the program in the terminal where the current working directory is “HW1_dxn180015” with the command: `python3 HW1_dxn180015 CSV_FILE_PATH`

The pros of using python for text processing in my opinion is that it’s very easy to manipulate/traverse data, text, and read/write to files with the libraries provided. And you don’t have to define types for variables. It’s also easy to code and read in python. The cons of using python for text processing in my opinion is that it is harder for type checking and thus your variables can cause problems.

In this assignment I learned about how to use regex in python to manipulate text easily. I also learned how to print colored text as an optional thing I did. And I learned how to use the os library to get a program to work in both Linux and Windows, in regard to file paths. Using the pickle library, sysarg, and classes was a review for me.