

Overview of the Assignment

An employee file had been created in an obsolete system. This program reads in the file, processes the text to be more standardized with predefined text format, and creates an object for each person with corrections from the user, and output each person's information.

To run it

Run command: `py filename 'data/data.csv'`

Advantages and Disadvantages of Python

Python is simple to use and learn. Python can run the code directly, one line at a time, as it is an interpreted language. Additionally, if there is a mistake, it indicates the error that happened rather than continue with the execution. The extensive standard library of Python contains all the required functions you need for any given activity. Python is now independent of outside libraries thanks to this. We are utilizing NLTK, a well-liked library, in this class.

However, it is slower than other low-level languages like C++. Additionally, Python's dynamic feature enables it to alter the data type of a variable at any moment. A Python variable that originally contained an integer may now contain a string. The result might be runtime errors. As a result, testing must be done numerous times for each application built by developers. Python must make certain compromises in order to provide developers and programmers with some simplicity. A drawback of this language is that it consumes a lot of memory, which is problematic for creating apps that prioritize memory optimization.

Conclusion

Overall, for this assignment, I had to get comfortable with the Python syntax and setting up an integrated development environment (IDE) first to even get started with. It was a steep learning curve for me since I am mostly used to object oriented languages, and compiled languages and not interpreted languages like this one. But it's been fun trying to pursue this assignment as I learned a great deal about I/O management, SysArgv, and Pickling with Python.