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Overview Portfolio Assignment 1

Program

The python program here will take the location of a CSV file as a parameter. The CSV file given has data is different formats. The program will fix the issue and ask for user input if needed for unique ID and phone number. The new modified data is saved again in the given file and is shown as output in the instructed format.

Running the code

1. Open the project folder in cmd
   a. Make sure the data folder is in there too
   b. Make sure you have Python installed"
2. Now enter the command "py portfolio_assignment_1.py data\data.csv"
3. If prompted enter phone number in the following format "123-456-7890"
4. If prompted enter unique ID in the following format "AB1234"

Python for text processing

Python is commonly used to process and analyze text in the scientific and research community. The community and professionals have and are working tirelessly on packages that help with data processing and even better as basic necessities(packages) are already built in. Packages like Pandas, Numpy, NLP and more help increase the efficiency and functionality even further.

Learned

1. Using CSV package
2. Using RegEx
3. Using Pickle
4. Reading and writing data to files
5. Using f strings in python