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Report for assignment 11.

Code Description

Description of how the code works :-

The code is based on python. I have used python's file handling to enable file storage in the system. The code is based on regex and uses python's re library.

It has four functions :

- ADD "<Person>" "<Telephone #>" - Add a new person to the database
- DEL "<Person>" - Remove someone from the database by name
- DEL "<Telephone #>" - Remove someone by telephone #
- LIST - Produce a list of the members of the database

The regex command is used on name and phone number for input validation

If any of the two is invalid the code exits, giving a 0 output ,Else returns 1.

Also if an attempt is made to remove a non-existent entry from database return 1.

Compilation instructions

Install python3 in your system

I have used pycharm as ide but you can also use command prompt to run this code.

Make sure you have also csv file with name myphones.csv downloaded

Run the file with command

python phones.py

If using ide then just click on play to run the code.

Assumptions

Assumptions are made in deciding the regex for the names and contact number according to the assignment.

User has to input the same name/ phone number as added in the database for the deletion of any record.

Pros/Cons

Pros:

- Easy implementation in python

Cons:

- This implementation is limited only till the assignment entries out of the scope will not be checked.

References:

https://github.com/aliyyousuff/Python-Programming-A-Concise-Introduction/blob/master/problem_4_4.py