

There was no Assignment 4M; all students should complete this assignment.

PIC 16, Winter 2018 –Assignment 4W

Assigned 1/31/2018. Code (a single .py file) due by the end of class 2/5/2018 on CCLE. Hand in a printout of this document with the self-assessment portion completed by the end of class on 2/5/2018.

In this assignment, you will write code to automatically standardize the format of data in a spreadsheet.

Task

From Preparation 4M and Preparation 4W, you know how to use regular expressions and read/write .csv files in Python. Now it's time to combine those skills to transform the data in [data.csv](#), which looks like:

Name	Phone
Peters, Acton	848-1434
Beard, Quynn I.	171-3698
Ifeoma N. Rosario	(363) 594-1847
Luna, Candace X.	318.266.1334
Kylan Clay	1695082
Dustin Evans	409-706-4679
Kelly Carver	6614524
Rutledge, Donovan	125-551-0873
Quon Bean	(425) 834-0900

into a standard format, like:

First	M.I.	Last	Phone
Ifeoma	N.	Rosario	(363) 594-1847
Candace	X.	Luna	(318) 266-1334
Dustin		Evans	(409) 706-4679
Donovan		Rutledge	(125) 551-0873
Quon		Bean	(425) 834-0900

and save the result in `data2.csv`.

Note that data entries with no area code have been removed; please discard these and the corresponding names (because you really can't call someone without specifying an area code these days).

Check out <http://pythex.org/>; I find it helpful to iteratively test and tweak my regular expressions before writing them in Python.

Self-Assessment

Does your code successfully transform the data file? For comparison, here is my [data2.csv](#).

Do you have 66 data entries and one header row for a total of 67 rows? If not, give some examples of entries that are unique to your `data2.csv` or mine.

Also attach a printout of your `data2.csv`.