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Course -4395.001

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### Portfolio Assignment 1: Text processing with Phyton

#### **-describe what the program does**

- this program enables us to read Text from a file of an Employee to parse and process the text. We did the program to break down the text into sentence. The sentences are process in a separate way. First it converts the fields to text variables and split on a comma. Secondly, change the first and last names to capital letters. It changes the middle initial to a single uppercase letter. I use regex to alter ID. using "X" as middle initial for not provided. The ID must consist of two letters and four digits. Checking the Output an error message and let the user re-enter a valid ID if an ID is entered incorrectly. Using the format of a phone number like 999-999-9999 and utilize regex. Finally, create a Person object and save it to once the information about a person has been correctly entered

#### **-explain how to run it**

This program is done with the Terminal.

Python3 portfolio GTT

```
python3 portfolio1_gtt210000.py <file_location>
```

```
python3 portfolio1_gtt210000.py data/data.csv
```

#### **-write a couple of sentences describing the strengths/weaknesses of Python for text processing, in your opinion-**

- I found Python is easily understandable language for text processing. it looks simple, easy to understand when I compared to other languages. Phyton has strength in text processing due to it

is ability of string manipulation that can perform text processing Tasks. Python has weakness in terms of text processing performance become slow when it has very large text dataset.

**-write a couple of sentences describing what you learned in this assignment, or what was a review for you**

- I learned a lot from this course. python was my interesting language, and I got the chance to learn it. I started from the beginning of the syntax of python and the regular expression. I learned how to work in regex.