

## CIS 2348 Homework 2

### Coding Problem 2

Write a basic program that performs simple file and mathematical operations.

a.

Write a program that reads dates from input, one date per line. Each date's format must be as follows: March 1, 1990. Any date not following that format is incorrect and should be ignored. Use the `find()` method to parse the string and extract the date. The input ends with -1 on a line alone. Use the `datetime` module to get the current date. Ignore any dates that are later than the current date. Output each correct date as:

3/1/1990.

b.

After the program is working as above, modify the program so that it reads all dates from an input file "inputDates.txt" (an Example file is attached).

c.

Modify your program further so that after parsing all dates from the input file "inputDates.txt", it writes out the correct ones into an output file called: "parsedDates.txt".

Ex: If the input is:

--

March 1, 1990

April 2 1995

7/15/20

December 13, 2003

May 1, 2023

-1

--

then the output is:

--

3/1/1990

12/13/2003

--

Commit the changes to your .py into the repository. Don't include the output file. We will use a different input file for testing your code. Some of the points will be earned by making proper use of git by having multiple commits that show the evolution of your code over time so we can basically see your code at stages a., b., and c. .

### **ZyLabs coding exercises in ZyBooks**

Complete all the ZyLabs in Homework 2 on ZyBooks. You should write all your code in the PyCharm environment and then submit in ZyBooks as well as commit to your Github repository.

The solution to each ZyLabs problem should be in its own .py file.

For your reference, the ZyLabs for this homework assignment are:

6.17, 6.22, 7.25, 8.10, 9.10

--

At the top of each Python file, you must include a comment block that includes both your name and PSID.

--

#### **What to Turn In**

Create a repository for yourself on Github or use an existing one if you have already shared it. Create a folder specifically for Homework 2.

Add and commit your all .py files to your private repository in the new folder in the Github. Do NOT commit any of the other files, and do not zip the files together.

Add a README file inside your repository in the folder describing the content. (see <https://help.github.com/en/articles/about-readmes> for information about GitHub Readme files)

Submit the link to your Github repository containing your homework via Blackboard.