

CSIT 104 – Computational Concepts

Python HW 3 (65 pts)

In this third part you learn about file handling.

A simple tutorial on how to write files is available here:

http://www.tutorialspoint.com/python/python_files_io.htm

You are asked to create two individual programs in python, to name them and submit them through Canvas. Each program must

- have exactly the name indicated below
- must include as comments inside your name, the name of the program, and a short description of what it does

The two programs AND the trivia.txt file should be compressed in an archive titled Project3LastName. Use zip to compress. All programs must be sent in ONE submission.

Problem 1 (30 pts). Create a file processing program (named *censorfile.py*). The program should:

1. ask the user for a file name.
2. Using the file name it should open the file,
3. Read the text the text from the file and copy it into a new file (named *oldfilename_censored.txt*).
4. The new file should have the same content as the old file, except that any occurrence of the text “winter” should be eliminated.

For example: If the file is named *odetoseasons.txt* and the content of this file is:

I love winter
I love spring
Summer, Fall and winter again.

Your program, when provided with the filename *odetoseasons.txt* should open the file, read it and then create a new file *odetoseasons_censored.txt* that contains

I love
I love spring
Summer, Fall and again.

Problem 2 (35 pts). Download the *trivia_challenge.py* file from Canvas as well as the *trivia.txt* file. Both of these are files provided by M. Dawson with his textbook and discussed in Chapter 7.

- a. (5 pts) Add to the *trivia.txt* file two more questions. Run the code to ensure it is working properly.
- b. (30 pts) Improve the trivia game such that each question has a unique value associated to it. The player's score is the total number of points of the questions she or he answers correctly.