Last week we got a taste of working with files. This week we’ll really dive into files by opening and closing files properly.

For this week we will modify our Gettysburg processing program from week 8 in order to generate a text file from the output rather than printing to the screen. Your program should have a new function called **process\_file** which prints to the file (this method should almost be the same as the **pretty\_print** function from last week. Keep in mind that we have print statements in main as well. Your program must modify the print statements from **main** as well.

* Your program must have a header.
* Your program should adhere to PEP8 guidelines especially as it pertains to variable names.
* Create a new function called process\_fie. This function will perform the same operations as pretty\_print from week 8 however it will print to a file instead of to the screen.
* Modify your main method to print the length of the dictionary to the file as opposed to the screen.
* This will require that you open the file twice. Once in main and once in process\_file.
* Prompt the user for the filename they wish to use to generate the report.
* Use the filename specified by the user to write the file.
* This will require you to pass the file as an additional parameter to your new process\_file function.