In-Class Exercise 2

February 17, 2015, Due: February 24, 2015

Create a function which will take in two string parameters and one integer parameter. Both of the string parameters should be expected to be file names. The function should take the text contained in the first file, change all letters to lowercase, remove all non-letter characters, and perform a Caesar (or shift) cipher on the remaining message. The result should be saved to the second file name. The Caesar cipher consists of taking each letter and shifting the letter up in the alphabet by a given amount (e.g. `b` shifted by `3` is `e`). If a letter should shift beyond `z`, it should loop back to `a`. The amount shifted should be equal to the integer parameter passed in. For example, if the input file contains `Attack At Once!` and the shift is `2` the output file should contain `cvvcemcvqpeg`.

Hints: `list(map(chr, range(97, 123)))` will return a list of the 26 lowercase letters. Also, note that on this list indexing position `3` is the same as indexing position `29%26`. Finally, `if 'a' in some_list:` will be useful to check if a character is in a list.