

HW2 - AMAL AISSAOUI

1. The instructions:

The bit of code included in the homework scared me at first, because it included new concepts such as using `with` to write to a file and using `yield` instead of `return`. I had to google them and read, but that was not an easy task either because the internet has all sorts of stuff that added to my confusion.

2. Slicing the list:

While this was a minor difficulty, I forgot that the result of multiplying the length of the list by a float will result in a float that cannot be used as an index in slicing.

3. Writing to a file:

- a. At first, I did not read the instructions carefully, so I sliced the corpus list then wrote the slices to files, then I used the `wc -l` command and realized I did something wrong. I asked Cameron for help and he explained that each word should be written in a separate line for `wc -l` to show us the number of lines, and to do that we need to loop over the slice.
- b. When I wrote my for loops, I nested the `with` statement that writes to a file inside the for loop. I did not pay attention to the difference between writing “w” and appending “a” to a file, and I ended up with files that contain only one line; the last word in the list. I understood that I was overwriting. I knew that I had to append to a file, but I was curious to see whether changing the scope of the `with` statement will give me the desired output, and it worked!