# Homework 7

You must complete this assignment *without searching online*. You can use our class recordings, the textbook up to the current chapter, the Jupyter notebooks, conversations with your colleagues and me, and the approved resources; that’s all. This assignment should be completed with only the techniques we’ve covered in class so far. If you get code from anywhere besides your own brain, you need to cite the source in a comment.

Also, as always, **be sure to follow the style guide**, including turning in a plan with your code. Seriously, **don’t forget to plan *before* you code!**

For this homework, we’re going to try something a little different. I’ve created the start of a file, which you’ll edit to finish the assignment: count\_words\_in\_the\_raven.py

The program has three functions in it.

1. I’ve written all of break\_into\_list\_of\_words()--**DO NOT CHANGE THIS ONE**. All it does is break the very long poem into a list of individual words. Some of what it's doing will not make much sense to you until we get to the strings chapter, and that's fine--that's part of why I wrote it for you. :)
2. There’s a main() which you’ll add a little bit to, but it should stay pretty small -- some print statements and some function calls
3. There’s a definition of a function called count\_how\_many\_words(), which takes *two arguments*. (Do not change the arguments.) You’ll write the entire block for this.
   1. Note: My return statement is definitely not what you want; it’s just there so that the program runs when I give it to you. You will want to change what the function returns!

I want you to **complete the count\_how\_many\_words() function, and then call it (multiple times) inside main()** to find out *how many times Poe used the word “Raven” (or “raven”)* and *how many times he used “Nevermore” (or “nevermore”)* inside the poem “The Raven.” **You may not use list.count()**.

Don’t add any global variables or constants (besides the one I’ve declared, which could be moved into main() but would be even uglier there).

**Example output (with *incorrect numbers*):**

The word "Raven" (or "raven") appears 42 times in Edgar Allen Poe's "The Raven."

The word "Nevermore" (or "nevermore") appears 48 times in Edgar Allen Poe's "The Raven."

**Reading:**

Next week is the midterm project, but for the following week, be sure to read chapter 6. Bring your questions to class.