DAT-119 – Python 1

Spring 2019

**Homework 7**

For the 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](https://courses.ccac.edu/bbcswebdav/pid-5173014-dt-content-rid-28778659_1/xid-28778659_1)

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*. (Don’t 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.”

**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."

**To turn in:**

1) Your planning document and your completed program for counting words in "The Raven."

2) The lottery number generator from in-class, if you didn’t finish before class was over.