

# Code with Me Assignment #2

*code  
with  
me ♥*

**Building a Word Counter**

Let's build a word counting tool!

## WHAT IS A WORD COUNTER?

- A word counter is just a program that will count the number of words in a document or file. (.txt)
- Kind of like your word count in Google Docs or Word.
- DUE BEFORE WEDNESDAY 19th AUGUST

```
File = open("myfile.txt", "")
```

## HOW WILL WE BUILD IT?

- The first thing we will need is the For Loop!
- Think about how this might work.
- We will also need a few other functions
- Let's brainstorm these!

## BRAINSTORMING WHAT WE WILL NEED:

- document = input("What is the file name? ")
- File (open, read, close)  
  contents = file.read()
- Split function  
  mylist = contents.split()
- Counter
- For loop
- Print function  
  print(variable)

\*it has to be a .txt\*

Create a text file first

That's it! Combining these, you should be able to figure out how to program a word counter.

Hint: These are given in order!

```
Filename = input("Enter the exact name of the file: ")
```

```
file = open("myfile.txt", "r")
```

```
....  
...  
For .....  
file.close()  
print("The word count of this file is: ")  
print(contents)
```

```
File_name = input("Whats the name of the file?")  
File = open(file_name, "r")
```

```
for i in list:
```

Notes for Nicole/Timila:

- First, open the file (text file), then read it and close it.
- Store contents of the file in a variable.
- Now, use the split method on these contents
  - So that each word is separated and stored in a list.
- Loop through this list

- For each word (item in list!), add one to the counter
- Outside loop, print the final count!