Coding Project

1. Project title – Finding the Frequency of a Character’s name in Novels
2. Question to explore- will the code I write be sufficient enough to weed out one character’s name, multiple times?
3. Project description - what if there was a question asking how many times is (x)’s name mentioned in this book, it would be very tiresome and draining to count manually and that’s why I I’m trying to build a code that automatically does it for you.

How many times is a character’s name mentioned in the text/different types of novels?? (for example… different genres like romance, murder mystery etc) In addition, we could compare how many times a protagonist is mentioned in the different genres of books and see if there is a difference in frequency.

1. How to approach the question and get data- Use novels I have already read so that its easier the online versions and also QMUL Library
2. We would ideally want to build two functions: one to figure out how many times a character’s name is mentioned in the novel and the other one being the frequency at which a character’s name is mentioned when compared to another genre.
3. We would use IDLE and Jupyter’s Notebook for writing and testing the codes and Ms excel as we are dealing with frequency
4. In order to make sure that my code works correctly when I test it, I will do integration tests… that is testing multiple components of my code but also do a unit test, where it also checks a small component. In addition, I will use websites such as W2schools and Real Python, to make sure I get the right build-in codes to use.
5. An outline:

- Firstly, we want to see if we can write a code to find a character’s name once (the protagonist or it doesn’t have to be)

- Then if that works, we would move on to finding that character’s name in a chapter of the novel

- Then we would write a code that finds the character’s name in the whole novel

- To expand this further, we would then do the same step by step process for another novel

-After we have gotten all that data, we would build a code that compares the frequency of how many times a character’s name is said in each novel.

- We would then have a code that tells you whether a character’s name is said more in a romance novel or mystery novel( doesn’t have to be those two genres).