

Coding Project

Yes. Good explanation. Good proposal.

- 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.
- 4) **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 ✓
- 5) 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.
- 6) We would use IDLE and Jupyter's Notebook for writing and testing the codes and Ms excel as we are dealing with frequency doing in python
- 7) 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. ✓ Yes.
- 8) 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).

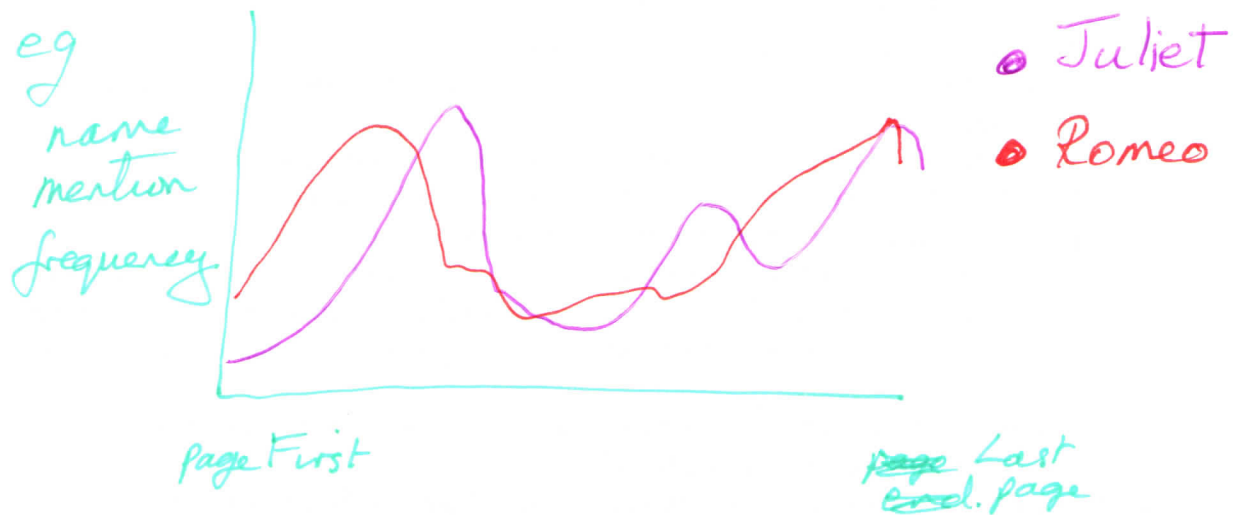
Comments

You say 'Two functions' in a couple of places.
 Create as many functions as you need - keep them small + simple. Function does just a single task so its NOT bad to have many functions.

Also think of a few expansions. For example distance between character A → character B - - -

Also some way of showing how frequency of name

mentions varies throughout length of book.



If you can do a chart of any type showing your data that would really add polish to your project.