Programming Assignment 2: Vowel Count Using String Operations

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The process of writing the code for the Quadratic Equation Verification with Complex Number Operations

Firstly, I read through the descriptions and found out that this is an assignment which contains the usage of string function and file operation. I started with the opening of the Gift_of_Magi.txt file and read through the whole thing by character

Secondly, I wrote a function that is able to distinguish whether the input character is an English letter or not, if not, ignore it, and if it is, then convert it to uppercase letter and store in buffer[], starting from index 0, and when the memory space of buffer[] becomes full, extend the size of buffer 512 bytes more, the insert '\0' at the end showing it is the end.

Lastly, open output file "result.txt" and write the file using fwrite(), and print out the essentials, while using for loop to only 800 characters in a line, and then to specify if it is a one character, two contiguous characters, three contiguous characters, or four or more contiguous characters starting from the beginning of the text.

The problems I faced when writing the code, and the solutions

The first problem that I encountered is that I only opened the input file, and not the output file, which is why my code won't do what is was supposed to do, but after finding out that there should be an output file through looking over the assignment requirements and adding it, I succeeded in running the code.

The next question that I ran into is very small but very important, it is that I forgot to add a '\0' at the and of the text, it is essential to the code, after this experience, I was able to run the file, and also remember this valuable information.

Finally, is that both the txt file should be in the same file in my computer, at first, I didn't know that and I put them all in different files, but this will mean I

can sufficiently run out the result, after asking around I finally got where it went wrong.