Programming Assignment 2: Vowel Count Using String Operations

- **How I develop my assignment solution**
1. The process

      To complete the assignment, I followed the instructions that the teacher gave us on the assignment description. Firstly, I opened the input text file and got the characters from the txt file until the end of the file. Besides, while inputting the characters, ignore those that weren't English letters and also convert all English letters to uppercase letters. Secondly, I finished printing out the first 800 characters and 80 characters for each line. The next step was to calculate the total number of one, two, three, four and up contiguous characters. I thought this was the most difficult part of this assignment. To complete this part I wrote the code to check the input text one by one and add one to the corresponding category. The final step was to count the number of each occurrence of vowels.

2. Problems I encountered

      The most difficult part I thought in this program was calculating the total number of one, two, three, four and up contiguous characters. I found that I was unfamiliar with the usage of string functions. Therefore I spent time studying the application of them first. Finally, I understood the functions and applied them to my code.