Report for assignment2 D1262075:

First define variables needed and open the text file Gife\_of\_Magi.txt.

Get the string length (fleng) and give a dynamic size for buffer (capacity), at the time capacity not long enough for fleng, reallocate a dynamic size for it.

Use fgetc(datain) to put string from datain to buffer, at the same time switch all characters to upper case and remove things other than alphabet and count total letters, print out.

Use fwrite to write a result file.

Print the first 800 characters using a for loop.

Check if there are any contiguous character’s cases, using for loop go through every word from text file, count ++, when the next character no longer the same as the previous one, go into

if(buffer[j]! =buffer[j+1]) to check the value of the current count and get to know how many same characters connect.

Lastly, count how many vowels characters A, E, I, O, U individually using strpbrk() in string. H.

In this part I use a pointer ptr to replace buffer so that once there is a vowel character detected, I can plus one to ptr to continue detecting next vowels character.