Programming Practice: Vowel Count

1. Write a C program to input an article and perform the following actions:
   a. Input the name of the testing text file and read the testing text file.
   b. Input the name of the resulting text file and write the resulting text file.
   c. Replace a "#" symbol with the white spaces, blanks and newline, after every word.
   d. Count the number of vowels (A/a, E/e, I/i, O/o, U/u) in the article.
   e. Output the article 12 words in a line. No space between the words, instead, there is a "#" between two words.
   f. Output the number of vowels.

   Assume each word is less than or equal to 30 characters. Use MacArthur_Prayer.txt and Gift_of_Magi.txt as the testing articles. Program solution: vowel_count.c.

2. Write a C program to input an article and perform the following actions:
   a. Input the name of the testing text file and read the testing text file.
   b. Input the name of the resulting text file and write the resulting text file.
   c. Replace a "#" symbol with the white spaces, blanks and newline, after every word.
   d. Remove all punctuation. If the word is empty, do not print it.
   e. Count the number of vowels (A/a, E/e, I/i, O/o, U/u) in the article.
   f. Output the article 12 words in a line. No space between the words, instead, there is a "#" between two words.
   g. Output the number of vowels.

   Assume each word is less than or equal to 30 characters. Use MacArthur_Prayer.txt and Gift_of_Magi.txt as the testing articles. Program solution: vowel_count_no_punctuation.c.