Files Assignment

1. Add the top 5 most common words to the analysis message.
2. Find the total number of spaces in the file.
3. Find the total number of characters in the file (including spaces).
4. Find the total number of characters in the file (excluding spaces).
5. Find the total number of words in the file.
6. Find the total number of lines in the file.
7. Display the file name and list of directories containing the file.
8. Calculate the average word length in the file.
9. Find the number of unique words in the file.
10. Count the frequency of a specific word provided by the user.
11. Identify and display all unique punctuation marks in the file.
12. Check if the file contains any numerical digits and count them.
13. Find the longest word in the file.
14. Find the shortest word in the file.
15. Sort all the words alphabetically and display them.