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This program allows users to choose whether to process a file (f) or a directory(d).

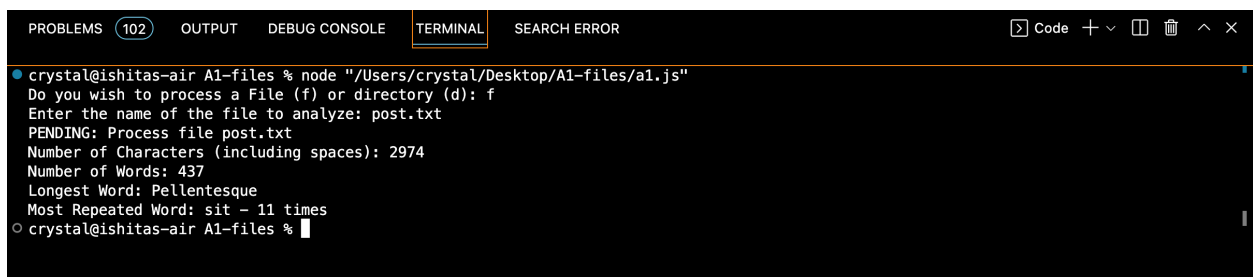
First of all, this program will prompt "Do you wish to process a File (f) or directory (d):" as per written code in a1.js.

If the user selects f, they will be prompted to enter the name of the file they wish to look into.

If the user selects d, they will be asked to enter the name of the directory they wish to look into.

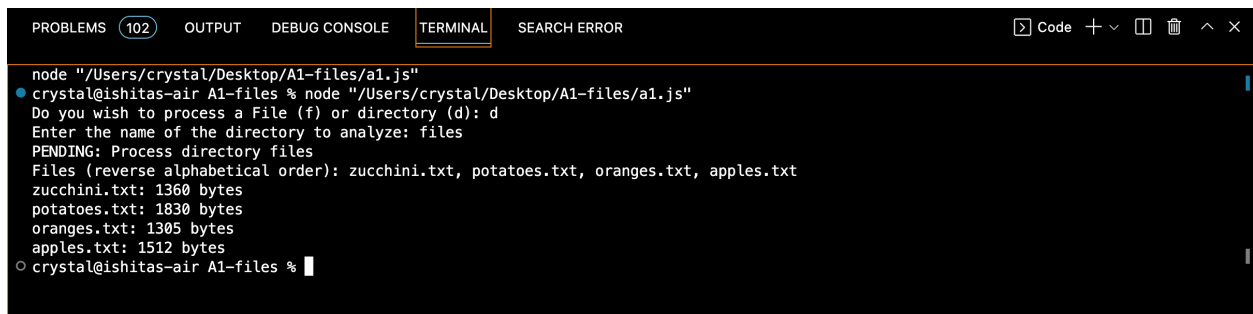
The user can analyse a single file (f) or an entire directory. The programme displays relevant information based on the user's selection, such as character count, word count, longest word, and optional features like most repeated word or file size.

The output of the program for f is -



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PROBLEMS 102 OUTPUT DEBUG CONSOLE TERMINAL SEARCH ERROR
crystal@ishitas-air A1-files % node "/Users/crystal/Desktop/A1-files/a1.js"
Do you wish to process a File (f) or directory (d): f
Enter the name of the file to analyze: post.txt
PENDING: Process file post.txt
Number of Characters (including spaces): 2974
Number of Words: 437
Longest Word: Pellentesque
Most Repeated Word: sit - 11 times
crystal@ishitas-air A1-files %
```

The out for the d is –



```
PROBLEMS 102 OUTPUT DEBUG CONSOLE TERMINAL SEARCH ERROR
node "/Users/crystal/Desktop/A1-files/a1.js"
crystal@ishitas-air A1-files % node "/Users/crystal/Desktop/A1-files/a1.js"
Do you wish to process a File (f) or directory (d): d
Enter the name of the directory to analyze: files
PENDING: Process directory files
Files (reverse alphabetical order): zucchini.txt, potatoes.txt, oranges.txt, apples.txt
zucchini.txt: 1360 bytes
potatoes.txt: 1830 bytes
oranges.txt: 1305 bytes
apples.txt: 1512 bytes
crystal@ishitas-air A1-files %
```