Test cases:

Option 1: Unhappy path

No data in the file

Result: error

Option 2: Unhappy path

file name or path incorrect.

result: File not found or infinite loop

Option 3: Happy path

File found and all data.

Option 4: Unhappy path

Did not count all the characters.

Result output incorrect.

Option 5: Unhappy path

Cannot read file output due to special character.

Result error and output incorrect.