Report

1. Input Processing: Reads "Gift_of_Magi.txt" and manages memory efficiently for data processing.

2. Letter Analysis: Determines counts of 1-4+ contiguous letters and computes total English letters.

3. File Output: Writes processed data to "result.txt" and prints initial 800 non-space characters.

4. Contiguous Letters: Reports occurrences of contiguous letters and total character count.

5. Vowel Counting: Identifies and tallies vowels (A, E, I, O, U) within the text.

6. Data Presentation: Displays vowel and contiguous letter counts, emphasizing totals.

7. Error Management: Ensures robust memory allocation and proper deallocation.

8. Code Documentation: Includes clear comments for code understanding and future maintenance.

9. Efficiency Enhancement: Optimizes code for faster processing and reduced memory usage.

10. Result Verification: Validates output accuracy through manual inspection or automated tests.