**Program Description:**

- It took the program 1.19 seconds to acquire the text characteristics.

- The program handles all the words as lowercase words.

- Words with dashes were replaced by spaces, and were taken into consideration as two different words.

- Possessives were omitted and the word was taken as such without it. They were not taken into consideration.

- The acronyms were taken into consideration as single words without the ‘.’.

**Procedure followed:**

- The program converts the words into lowercase words.

- It then creates a hash table with the entries as <Word: Frequencies>.

- Then, it sorts the hash table in descending order of frequencies.

- The top 30 frequent words are taken in as the first 30 words from this sorted hash table.

- The total number of tokens is the sum of all the frequencies.

- The number of unique words is the length of the hash table.

- The number of words that occur only once is the number of elements in the hash table with the frequency as 1.

- The total time to get the text characteristics was calculated by getting the difference of the start time of the program and the end time.