

## [ReadMe - Hadassim](#)

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Attachment List:

Words.py - the program

ReadMe - this page

### == Input ==

Simple text in English

### == Output ==

File text, statistics on the input text file

### == Example of input and output ==

Input: (txt file):

It. was. blue the best of times, it was the worst of times,  
it was the age of wisdom, it was the age of foolishness,  
it was the epoch of belief, it was the epoch of incredulity,  
it was the season of Light, it was the season of Darkness,  
it was the spring of hope, it was the winter of despair,  
we had everything before us, we had nothing before us,  
we were all going direct to Heaven, we were all going direct  
the other way--in short, the period was so far like the present  
period, that some of its noisiest authorities insisted on its  
being received, for good or for evil, in the superlative degree

Green is a color yellow too this is green green  
is id is pink green green ok good too darkcyan violet ha violet

settled for ever.

It was the year of Our Lord one-thousand-seven-hundred-and-seventy-five.  
Spiritual revelations were conceded to England at  
that favoured period, as at this. Mrs. Southcott had recently  
attained her five-and-twentieth blessed birthday, of whom a  
prophetic private in the Life Guards had heralded the sublime  
appearance by announcing that arrangements were made for the  
swallowing up of London and Westminster.

Output:(txt file):

Output:

1. Number of lines: 20
2. Number of words: 209
3. Number of unique words: 81
4. Average sentence length: 7.407407407407407  
Maximum sentence length: 30
5. Popular word: the  
Popular word (not stopword): green
6. Maximum sequence of words without k: it was the spring of hope it was the winter of despair we had everything before us we had nothing before us we were all going direct to heaven we were all going direct the other way in short the period was so far the present period that some of its noisiest authorities insisted on its being received for good or for evil in the superlative degree green is a color yellow too this is green green is id is green green good too violet ha violet settled for ever it was the year of our lord one thousand seven hundred and seventy five spiritual revelations were conceded to england at that favoured period as at this mrs southcott had recently attained her five and twentieth blessed birthday of whom a prophetic private in the life guards had heralded the sublime appearance by announcing that arrangements were made for the swallowing up of london and westminster
7. Max number: 1775
8. Color list: {'blue': 1, 'green': 5, 'yellow': 1, 'pink': 1, 'darkcyan': 1, 'violet': 2}

== How to compile and run? ==

py Words.py

== הערות ==

- עשיתי 2 שאלות יותר מהדרוש, לכן סעיפים 5 ו-7 הם רשות.
- בסעיף 7, שבו היה צריך להחזיר את המספר הגדול המצוין בטקסט, הנחתי שכאשר המספר מורכב מכמה מילים המילים יהיו מופרדות ביניהם ב: '- '.
- בסעיף 4, שבו היה צריך לבדוק אורך משפט הנחתי כי משפט יכול להסתיים באחד מהתווים הבאים: ;,.
- בסעיף 1, את השורות הריקות לא ספרתי כשורה.

