

## Typesetting problem

The input file is a line without formal typesetting. Please write a program to restructure the input file, and print out the result in output file.

The output file follows these rules

1. If met punctuation ",", you should add a space after ", ".
2. If met punctuation ".", you should add a "\n" after ".".
3. If met punctuation ".", you should make the next character in upper case.
4. If there isn't any punctuation "." before the character, the character should be in lower case
5. Count the total number of words and characters.
6. The number of characters in each line is smaller than 60.

➤ Here below shows the content of file `input.txt`

it's not the hot commodity it was last year but gold has been creeping its way back to prominence of late. the yellow metal is once again over \$1,700 an ounce, up more than 10% for the year, and well off the lows hit early last summer. With gold in The Upper End of the \$1,500 to \$1,900 range that it has traded in since making all-time highs in 2011, It's a good time for investors to question whether it's time to load up ahead of a potential push to new highs.

➤ The file `output.txt` shows as follow:

It's not the hot commodity it was last year but gold has been creeping its way back to prominence of late.  
The yellow metal is once again over \$1,700 an ounce, up more than 10% for the year, and well off the lows hit early last summer.  
With gold in the upper end of the \$1,500 to \$1,900 range that it has traded in since making all-time highs in 2011, it's a good time for investors to question whether it's time to load up ahead of a potential push to new highs.

Total count : 92 words, 463 characters

