

WordLenCipher

A text file ("encoded.txt") that is encoded with a cipher is given and you are asked to write a program that decodes the text and writes the result in a new text file named "decoded.txt".

The cipher is simple and contains two steps:

- 1- The length of each word is added to the ASCII value of each character in the word to obtain the new character. Example: in the first step, the word "and" is converted to "dqq" since length of the word is 3 and 'a'+3='d', 'n'+3='q', 'd'+3='g'.
- 2- The word is reversed. So, the final version obtained for the word 'and' is 'gqd'.

The only punctuation mark in each line is the last character ('.') which is not encoded. You have to take this into account while decoding the last word.

The decoded text is regular text in English, you will immediately figure out that your decoding is correct or not: the text should make sense.

Warning: Once you run the program, you will be creating a new file. If you like to see this new file among other files in the project, you should right-click on the project and then click 'Refresh'.