

M

In a file whose name is given as an argument to your program there are words with digits inserts in an unspecified number (but less than your computer memory can accommodate). An example of such a word is "alb1atr9oss". The word here is "albatross" and the number contained is "19". You should read all those words in dynamically allocated memory, and output them to the file given as a second argument on the command line, all lowercase letters, in the ascending order of the inserted number formed by taking the inserted digits from left to right. See below for an example.

Sample input (e.g. in file m_in.txt):	Sample output (e.g. in file m_out.txt):
4Admiral2 BlatT3lleship As5turia Klil17nGon Colo33PHo2n Lon1gho4rn Impo7ssil1bility alb1atr9oss	3:battleship 5:asturia 14:longhorn 17:klington 19:albatross 42:admiral 332:colophon 711:impossibility

The command line for this example would be:

Name_of_your_executable m_in.txt m_out.txt

Design and implement a commented modular C program for solving this problem.

N

In a file whose name is given as an argument to your program there are words separated by non-letter characters. But, there is a trick with those words. Instead of being written normally, on lines, they are written "vertically" in the file. That is, the first letter of the first word is the first letter in the first line of the file; the second letter of the first word (if it has more that one letter) it is the first letter on the second line, the third letter of the first word is the first letter on the third line, a.s.o. See below for a clarification in an example. You should read all the words and print them to file "n_out.txt", one per line, using as little memory as possible and as fast as possible.

Sample input (e.g. n_in.txt):	Sample output:
aeentgizioe tlsiiltatnx totgowiry9p ewihni*d;ue n.nt0so\cnr dJgsphlildi *o7\$reimae dnseosprrn eaelg_hoigc fteurNasfre ehicaensio aanumfticu tngbme+ban 3%@rirwitd btkantili#	attend defeat below Jonathan testing seeing knights elucubration programming wishes Nefertiti oliphant wizard impossibility clarification underground experience

Here, the words in the first „column“ of the file are attend, defeat and there is the first letter from below. The second „column“ starts with „elow“ (rest of „below“) and contains „Jonathan“ and letter ,t‘ form „testing“.

The command line for this example would be:

Name_of_your_executable n_in.txt

Design and implement a commented modular C program for solving this problem.