TED UNIVERSITY

Makeup Lab Assignment
CMPE 252 C Programming, Spring 2023

In this lab, you are going to read an input text file line by line. In each line of the input file, there are words separated by a space. You are going to display the content of the input file so that the words in each line of the input file are displayed in reverse order, all in upper case and separated by comma.

For example, if the content of the input file (such as input1.txt) is composed of the following three lines:

Constantinople began to decline after the end of the reign of Basil II in 1025.
The Fourth Crusade was diverted from its purpose in 1204.
The city was sacked and pillaged by the crusaders.

Your code will display the following three lines of output:

1025.,IN,II,BASIL,OF,REIGN,THE,OF,END,THE,AFTER,DECLINE,TO,BEGAN,CONSTANTINOPLE
1204.,IN,PURPOSE,ITS,FROM,DIVERTED,WAS,CRUSADE,FOURTH,THE
CRUSADERS.,THE,BY,PILLAGED,AND,SACKED,WAS,CITY,THE

Sample Run:

```
Enter the input filename: input1.txt
1025.,IN,II,BASIL,OF,REIGN,THE,OF,END,THE,AFTER,DECLINE,TO,BEGAN,CONSTANTINOPLE
1204.,IN,PURPOSE,ITS,FROM,DIVERTED,WAS,CRUSADE,FOURTH,THE
CRUSADERS.,THE,BY,PILLAGED,AND,SACKED,WAS,CITY,THE

Process returned 0 (0x0)   execution time : 3.821 s
Press any key to continue.
```

Important Notes:

You could assume that the number of characters in each line of the input file (including the newline character) will be 5000.

You could assume that, in each line of the input file, there will be at most 100 words each with length at most 50.