

<Advanced C Programming and Lab> Ch 14 File I/O

※ Note

- If not mentioned, assume that there is no additional inputs.
- If not mentioned, do not print a space in the beginning and end of each line.
- In input and output examples, after \mapsto symbol is to explain the input and output.
- In output examples, \square symbol indicates a space.

Section4 [Problem 1] Receive one integer per line using a keyboard, store the integers in a text file "data.txt", and close the file. Open the file, read integers, and print the number of integers, sum, and average.

Input Example 1

10
20
30 \mapsto integer
ctr+z \mapsto End of file

Output Example 1

3	\mapsto Number of integers
60	\mapsto Sum
20.00	\mapsto Average

Requirements>

- Input "ctrl + z" to indicate the end of file.
- Print the average using 2 decimal points.

Section4 [Problem 2] Read 9 (upper-case and lower-case) alphabetical letters from "test1.txt". Convert the upper-case letters to lower-case letter (or vice versa) and write them to "test2.txt".

(Before execution)test1.txt

aBcdEfgZZ

(After execution)test2.txt

AbCdEFGzz
