

Lab-1

Write a program in C-Language that open the file "in.txt", and prints the sum of the numbers that are found on each line of the file in.txt. To open the file use **fopen** API. Write your own function that converts a string to a number (similar cu **atoi** API). To print something to the screen, use the **printf** API.

Example: let's consider the following "ini.txt" file:

```
123
198698
5009
983279
```

The program will print to the screen 1187109.

Read a sentence from the input using **scanf** API. Then sort split it into words and write to the screen (using the **printf** API) the words sorted (from the longest one to the shortest one). If two words have the same length - they will be sorted out alphabetically. We consider that each word is separated from another one using space (one or multiple).

Example: let's consider the following sentence: "*I went to the library yesterday*". The program will print the following to the screen:

```
yesterday
library
went
the
to
I
```