Assignment-1: Problem solving

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Solve the following tasks and submit your solution

Problem 1:
Given a list of integers, find the minimum of their absolute values.
Note:
'Absolute values' means the non-negative value without regard to its sign. For example, the Absolute value of 123 is 123, and the Absolute value of -123 is also 123.

Sample input 1:
10 12 15 189 22 2 34
Sample output 1:
2

Sample input 2:
10 -12 34 12 -3 123
Sample output 2:
3

Problem 2:
Given a few paragraphs in a file, read the file and count how many words are there.
For example, if there is a file with the following contents:

Nunc ex lorem, ullamcorper ut eleifend ac, pellentesque non dolor.

You need to output: 10

Because there are 10 words.
Note: There can be multiple paragraphs. You need to count all of the words from all of the paragraphs.
You need to read the data from a file.

Problem 3:
Given a sentence, keep the order of the words same, but reverse the characters of each word.
For example, if the given sentence is: 'I love programming'
The result should be: 'I evol gnimmargorp'

Here the order of the words is the same as the given sentence, but the order of the characters in the words is reversed.

Problem 4:
Print the following pattern based on the given number n (can be any number).

Sample input: 5
Sample output:
```
    *
   ***
  *****
 *******
*********
```

Problem 5:
Given an integer n, find the sum of the digits of the integer.

Sample input 1:
62343
Sample output 1:
18

Sample input 2:
1000
Sample output 2:
1