Frequency Analyzer

Task

Implement a program that analyzes arbitrary text files by counting the occurrence of letters. All special characters (e.g. `-`, `.`, `,`,`\s`,`\n`) and numbers should be ignored. The program should treat all letters as case-insensitive and output:

- the letter,
- the number of it occurance and
- a percentage value in relation to all letters in the text

For example, the following text should generate a similar output as shown below.

`This is a simple test`

S	4	0.23529	23.529 %
T	3	0.17647	17.647 %
I	3	0.17647	17.647 %
E	2	0.11765	11.765 %
H	1	0.05882	5.882 %
A	1	0.05882	5.882 %
M	1	0.05882	5.882 %
P	1	0.05882	5.882 %
L	1	0.05882	5.882 %

TIP: Design your program such that you can easily reuse the frequency-analysis component in other programs as well.

WARNING: You can use any programming language you want. We will need the frequency analyzer for some other challenges as well. So choose wisely!

Example output of a fequency analyzer program using the input test.txt.

```
$ python solution.py ../test.txt
E  562 0.11408
T  467 0.09480
I  428 0.08688
A  423 0.08587
O  396 0.08038
S  356 0.07226
U  344 0.06983
M  299 0.06069
R  292 0.05927
L  277 0.05623
D  246 0.04993
N  242 0.04912
C  137 0.02781
P  104 0.02111
G   77 0.01563
V   67 0.01360
B   52 0.01055
Q   38 0.00771
Y   28 0.00568
K   24 0.00487
F   22 0.00446
J   12 0.00243
H   11 0.00223
Z   10 0.00203
X    8 0.00162
W    4 0.00081
```