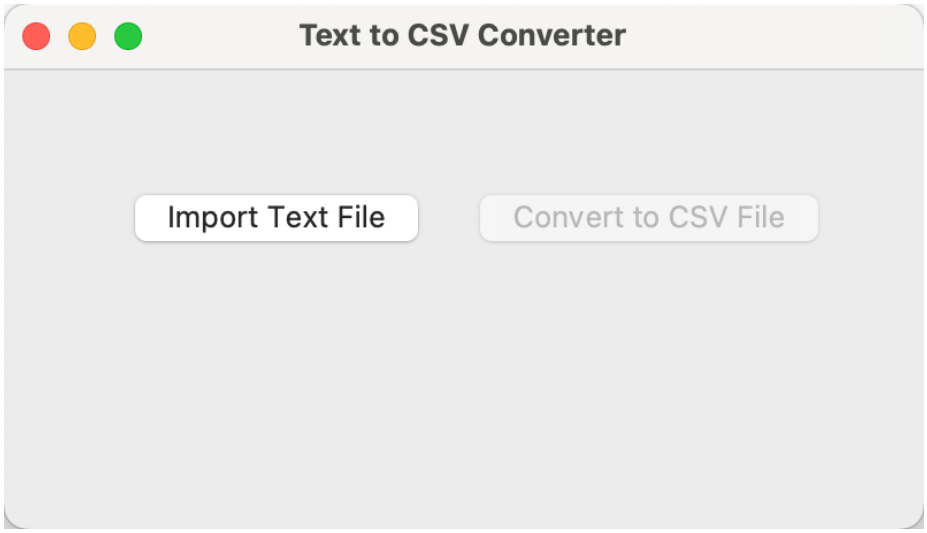
1. Purpose of this script: This script is meticulously crafted to transform a raw text file containing header information into a polished CSV file, facilitating the computation of fall time.

2. Before using this scrip, be sure that the format of the file is as following:

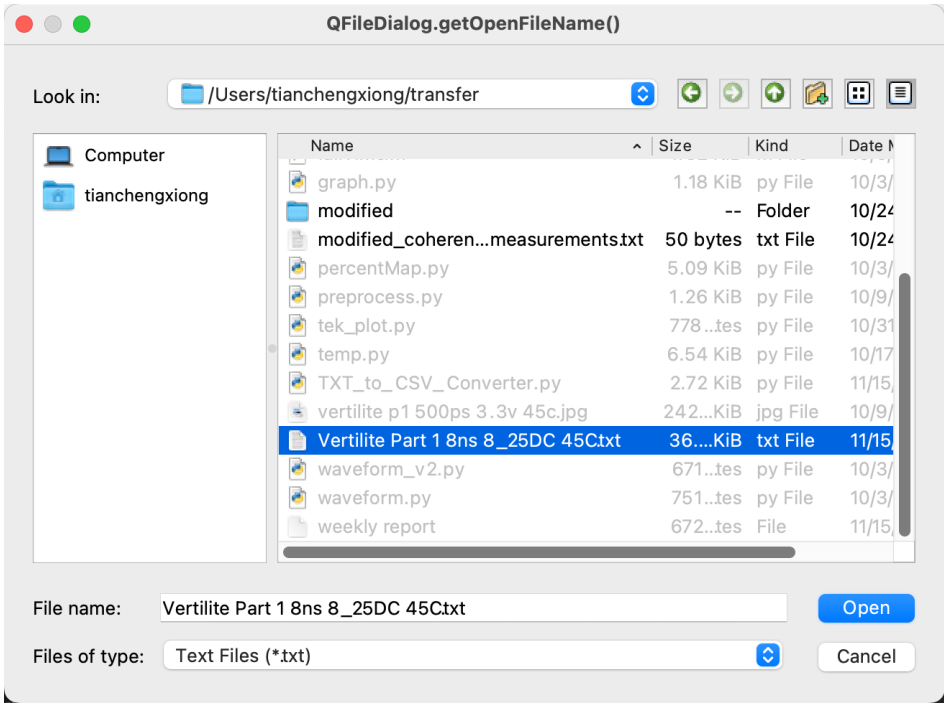
Vertilite Part 1 8ns 8_25DC 45C.txt

```
"Record Length" 1000    "Points"        -7.77500000e-009        -4.00000028e-003
"Sample Interval"       2.50000000e-011 s       -7.75000000e-009        -4.00000028e-003
"Trigger Point" 311     "Samples"       -7.72500000e-009        -4.00000028e-003
"Trigger Time"  2.81860269e-012 s       -7.70000000e-009        -4.00000028e-003
""                      -7.67500000e-009        -4.00000028e-003
"Horizontal Offset"     -7.77500000e-009        s       -7.65000000e-009        -4.00000028e-003
                        -7.62500000e-009        -4.00000028e-003
                        -7.60000000e-009        -4.00000028e-003
                        -7.57500000e-009        -4.00000028e-003
                        -7.55000000e-009        -4.00000028e-003
                        -7.52500000e-009        -4.00000028e-003
                        -7.50000000e-009        -4.00000028e-003
                        -7.47500000e-009        -4.80000034e-003
                        -7.45000000e-009        -4.80000034e-003
                        -7.42500000e-009        -4.80000034e-003
                        -7.40000000e-009        -4.80000034e-003
                        -7.37500000e-009        -4.80000034e-003
                        -7.35000000e-009        -4.00000028e-003
                        -7.32500000e-009        -4.00000028e-003
                        -7.30000000e-009        -3.20000023e-003
                        -7.27500000e-009        -3.20000023e-003
                        -7.25000000e-009        -4.00000028e-003
                        -7.22500000e-009        -4.00000028e-003
                        -7.20000000e-009        -4.00000028e-003
                        -7.17500000e-009        -4.80000034e-003
                        -7.15000000e-009        -4.80000034e-003
                        -7.12500000e-009        -4.80000034e-003
                        -7.10000000e-009        -4.80000034e-003
                        -7.07500000e-009        -4.00000028e-003
                        -7.05000000e-009        -4.00000028e-003
                        -7.02500000e-009        -4.00000028e-003
                        -7.00000000e-009        -4.00000028e-003
                        -6.97500000e-009        -4.00000028e-003
                        -6.95000000e-009        -4.00000028e-003
                        -6.92500000e-009        -4.00000028e-003
                        -6.90000000e-009        -4.00000028e-003
                        -6.87500000e-009        -4.00000028e-003
                        -6.85000000e-009        -3.20000023e-003
                        -6.82500000e-009        -3.20000023e-003
                        -6.80000000e-009        -2.40000017e-003
                        -6.77500000e-009        -2.40000017e-003
                        -6.75000000e-009        -2.40000017e-003
                        -6.72500000e-009        -2.40000017e-003
                        -6.70000000e-009        -3.20000023e-003
                        -6.67500000e-009        -3.20000023e-003
                        -6.65000000e-009        -4.00000028e-003
                        -6.62500000e-009        -4.00000028e-003
                        -6.60000000e-009        -4.80000034e-003
                        -6.57500000e-009        -4.80000034e-003
                        -6.55000000e-009        -4.80000034e-003
```

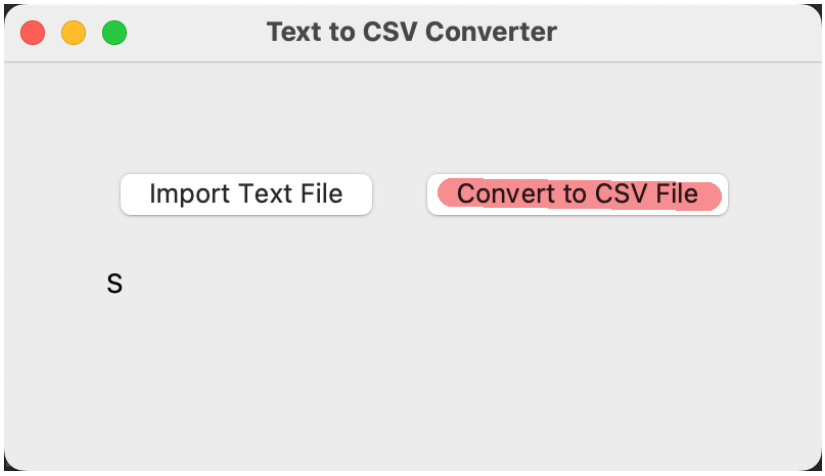
3. Open the TXT_to_CSV_Converter.py file in vscode, and run it. You will see the following window:



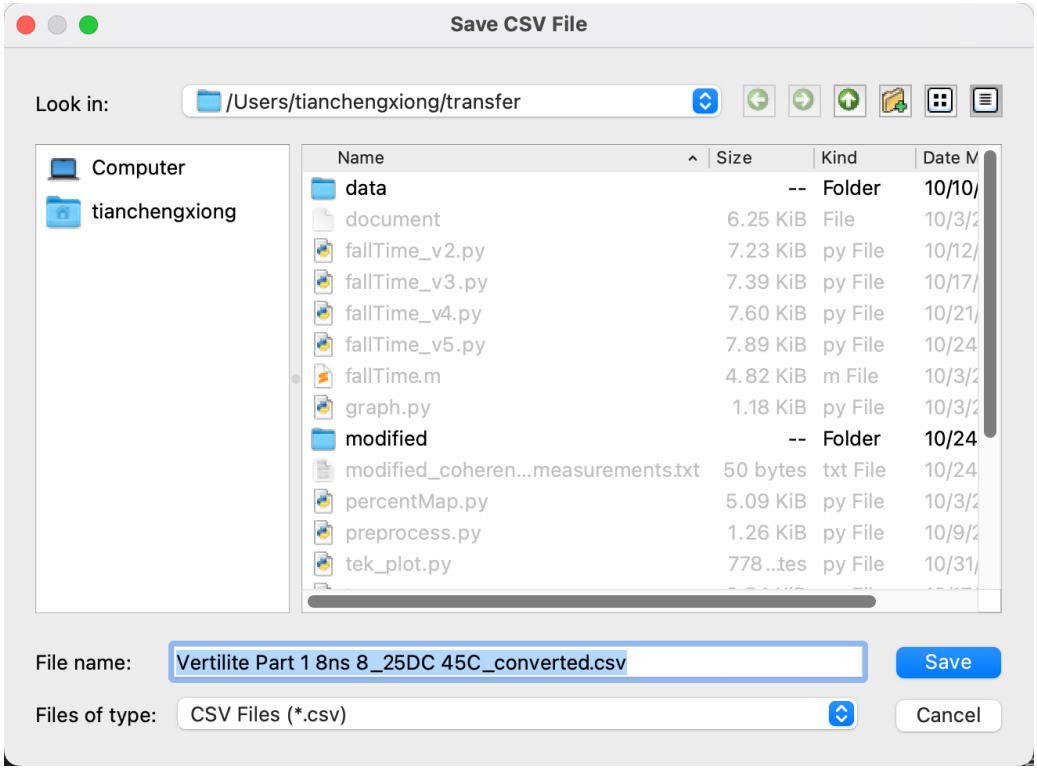
4. Click the “Import Text File” to select the files you want to convert. After clicking this button, the following file browser window will pop out. Then you can choose the files that you want to convert.



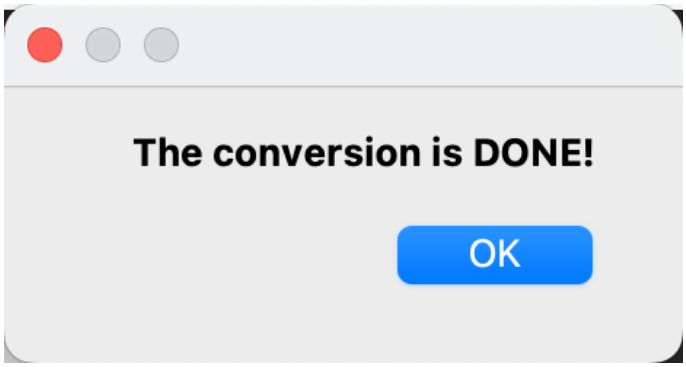
5. Click the “Convert to CSV File” to convert txt file to csv file



6. After click “Convert to CSV File”, a file browser window will pop out. You can choose the folder where you want to save the csv file.



7. If everything works fine, this window that contains the successful message will pop out



8. And you can check the new converted file in the folder where you saved this file