Task 1

1) Apply a function which can read a signal from txt file in this format.
   First row -> N (number of samples)
   Second row -> sample 1 index sample 1 value
   Third row -> sample 2 index sample 2 value
   Forth row -> sample 3 index sample 3 value
   ……
   Final row -> sample N index sample N value
2) The ability to display a signal using any visualization library.
3) The ability to add input signals (any number) and display the resulted signal
4) The ability to multiply a signal by a constant value to amplify or reduce the signal amplitude.
5) The ability to subtract input signals and display the resulted signal
   (Hint: you can use addition after multiplying the second signal by a constant = -1)
6) Delaying or advancing a signal by k steps [x(n+k) or x(n-k)]
7) Folding/reversing a signal [x(-n)]

Note: You should develop a Python project that includes a graphical user interface (GUI) implemented using any suitable framework or library. All future tasks should be integrated into this same project.