**Objectives:**

Practice file manipulation, exception handling, functions, sequential, decision and looping structures.

**Description:**

Write a program that reads a file containing text. Read each line and write it to the output file, preceded by line numbers, as shown in the example. You must match the output numbering exactly as shown. Attached is a sample file you can use, but your program should ask the user for the input filename and your program should open the filename input by the user. If the file is not found, the user should be appropriately informed and ask for the filename again and/or quit if the user types in the word "quit".

If the file is empty, the user should be appropriately notified.

All file exceptions should be processed appropriately and not stop the program.

If the input file is:

Mary had a little lamb

Whose fleece was white as snow,

And everywhere that Mary went,

The lamb was sure to go!

then the program should write the line number and file line to an output file named output.txt.

/\* 1 \*/ Mary had a little lamb

/\* 2 \*/ Whose fleece was white as snow,

/\* 3 \*/ And everywhere that Mary went,

/\* 4 \*/ The lamb was sure to go!

You must use a main() function, with appropriate if statement call.

Attach your finished project py file and text file to this link by the due date in one zip file.