

## Lab 6

Create a function that will take a file name as an argument and another filename to write the program output to. This function should **attempt** (use `try except`) to open the file associated with that file name. Error will be caught if the file does not exist. The program will read each line of that file and try to compute the expression (assume that each line is one mathematic expression, you can use python function `eval(...)` for this purpose). **Unsupported operators should be caught**. It should then write the result of that operation to an output file (which is the second argument of this function). Upon unsupported operation, **“bad expression”** will be written to output file instead and the program still continues until it reaches end of file. The program should inform user about successful file creation if no error occurs. Below is an example of the program session:

Example of progress session:

Please enter your input file: **math\_exp.txt**

Please enter your output file: **result.txt**

Output file is successfully created. The output is written to result.txt

Content of `math_exp.txt` and `result.txt`

Line number	math_exp.txt	result.txt
1	1+2+3*4	15
2	3*4	12
3	4-10/xx	bad expression