1. Write a program that reads a text file and inserts line numbers in front of each line. The result should be another text file.

2. Write a program that reads a text file containing a list of strings, sorts them and saves them to another text file. Example:

Ivan	George
Peter	Ivan
Maria	Maria
George	Peter

4. Write a program that reads a text file containing a square matrix of numbers and finds in the matrix an area of size 2 x 2 with a maximal sum of its elements. The first line in the input file contains the size of matrix N. The next N lines contain N numbers separated by space. The output should be a in a separate text file – a single number. Example:

4	
2 3 3 4	
0 2 3 4	17
3 7 1 2	
4 3 3 2	

5. Write a program that replaces all occurrences of the substring "start" with the substring "finish" in a text file.

6. Modify the solution of the previous problem to replace only whole words.

8. Write a program that deletes from a text file all words that start with the prefix "test". Words contain only the symbols 0...9, a...z, A…Z, _.

9. Write a program that compares two text files line by line and prints the number of lines that are different.

10. Write a program that removes from a text file all words that are contained by given another text file. Handle all possible exceptions in your methods.

11. Write a program that reads a list of words from a file words.txt and finds how many times each of the words is contained in another file test.txt. The result should be written in the file result.txt and the words should be sorted by the number of their occurrences in descending order. Handle all possible exceptions in your methods.