Documentation - lab2

https://github.com/iuliaaai/LFTC/tree/master/lab2

I implemented the SymbolTable using a HashTable as the data structure and it contains both the identifiers and the constants. The HashTable is composed of a list of lists, having the hash function computed as: for each string, the sum of the ascii code for each character % size of the table.

The tokenizing function reads char by char on each line and checks if we have a separator, the beginning of a string constant/char constant/identifier/constant, a part of an operator or a reserved word and appends these tokens to a list.

The scanning algorithm splits each line into tokens and adds the constants and identifiers to the SymbolTable or returns an error in case of a lexical error.