

Github link:

<https://github.com/x64alex/Compilers/tree/main/Lab3>

def writePif(pif):

- A function that writes the pif to the file PIF.out

def writeST(identifiersST, integerST, stringST):

- A function that writes the symbol tables to the file ST.out

def writeFiles(pif, identifiersST, integerST, stringST):

- A function that writes the pif and st to their respective files

def scanner(programFile, tokenFile):

- A function that scans the program received as parameter (programFile) and writes the pif and st to their respective files
- It parses line by line and for every line it adds the spaces left and right for every operators and separators. Then each line is splitted by space and for every elements it first checks that is a comment. If it is a comment, the rest of the line is ignored since it will be commented. Then it is checked if it is a reserved word, operator or separator (if true it is added to the pif with the value -1). Then it is checked if it is a string or number. If not it is checked if the token is a correct identifier. If it is not correct then it is an error.