<https://github.com/911-Andreea-Ciama/FLCD/tree/main/Lab3>

Scanner integration

Integreted in the same directory:

-Scanner

-Symbol Table

-Main

-toke.in

-p1,p1err,p2,p3

-PIF,out, ST. out

PIF class

Insert(token,position):

\_\_insert the given token and its position in the Symbol table in the PIF list of pairs\_\_

Scanner Implementation

The scanner separates each token from every line then checks character by character what type the token can be and adds it to his coresponding lists of tokens.

After registering all tokens the will be added to the symbol table and Pif with their positions, operators and reserved words have (-1,-1)

Constants and identifiers will be saved with the name "constant" and "identifier" along with their position.

get\_reserved\_words():

\_\_returns a list of reserved words\_\_

get\_operators\_words():

\_\_returns a list of operators\_\_

get\_separators\_words():

\_\_returns a list of separators\_\_

read\_tokens():

\_\_reads the tokens that will be used from token.in\_\_

is\_operator(elem):

\_\_checks if the element is an operator\_\_

is\_constant(elem):

\_\_checks if the element is a constant\_\_

O imagine care conține text, captură de ecran, diagramă, Paralel

Descriere generată automatis\_identifier(elem):

\_\_checks if the element is an identifier\_\_

get\_line\_tokens(line):

\_\_returns the list of tokens found on the given line\_\_