https://github.com/Raiu-Madalin-Augustin/FLCD

Scanner Integration

Integrated in the same directory the:

- Scanner

- HashTable

- token.in

- p1, p1err, p2, p3

- PIF.out, ST.out

- main

PIF class

Insert(token,position):

__inserts 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 corresponding list 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__

is_identifier(elem):

__checks if the element is an identifier__

get_line_tokens(line):

__returns the list of tokens found on the given line__