Lab 4 -> Oana Gog

ScannerClass is used for lexical analysis. It uses a scanning algorithm and the symbol table previously used in the last laboratory.

Parameters for the __init__:

file_name: name of the file.

file_token: name of the token file containing operators, separators, and words

words_token_file: list with valid words.

separators_token_file: list with valid separators.

operators_token_file: list with valid operators.

sym_table: symbol table

pif: list with the program internal form tuples.

Methods:

get_token_info_from_token_file() -> reads the token file and inserts into the words_token_file, separators_token_file, operators_token_file with corresponding values

check_for_valid_identifier(identifier) -> checks if the identifier(parameter) is valid

check_for_valid_constants(constant) -> checks if the constant(parameter) is valid

is_operator(token) -> check valid operator

is_separator(token) -> check valid separator

display_in_files() -> takes code from the file and populates the pif and the symbol table