

# COMP - Homework #1 (MIEIC - Compilers - 2021)

\* This form will record your name, please fill your name.

1. Without a scanner or parser generator, implement a scanner for a language with the following tokens:

LPAR="("

RPAR=")"

MUL="\*"

DIV="/"

PLUS="+"

SUB="-"

INT="[0-9]+"

VAR="[A-Za-z][0-9A-Za-z]\*"

EQ="="

SMICOLON=";"

The scanner shall receive as input a string or a file and shall output the sequence of tokens in the input or shall report possible errors!

Note: skip the symbol: "\n", "\r", " ", "\t"

PS: show your solution here!

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