```
GitHub Repository: https://github.com/edwardinio18/LFTC
L1b
lexic.txt
Alphabet
a-z
A-Z
0-9
€
Lexic
operators: adunate, stergete, oriori, orioriinvers, estiegal, verificaegal, verificanuegal, maimare, maimic, maimareegal, maimicegal, lasuta separators: spatiu, sarilinia, gatalinia, ;, ,, (comma), ', ", (, ), {, }, [, ], _ reserved words: cvnou, daca, altfel, cattimp, fa, pentrufiecare, oprestete, continua, scrie, citeste, in, prog, de
 \begin{split} & identifier = (" \in ") \{ letter \ | \ digit \} \\ & letter = "A" \ | "B" \ | \ \dots \ | \ "Z" \ | "a" \ | \ "b" \ \dots \ | \ "z" \\ & digit = "0" \ | \ "1" \ | \ \dots \ | \ "9" \\ \end{aligned} 
intconst = "0" | ["poz" | "neg"]nz_digit{digit}
nz_digit = "1" | "2" | ... | "9"
strconst = ""{letter | digit | "_" | " "}""
charconst = ""(letter | digit)""
syntax.in
Sintactical rules: (file Syntax.in)
program ::= "cvnou" decllist ";" cmpdstmt "."
decllist ::= declaration I declaration ";" decllist
declaration ::= IDENTIFIER ":" type ";"
type1 ::= "advfals" | "caracter" | "intreg" | "real"
arraydecl ::= "sir" "(" nr ")" "de" type1
type ::= type1larraydecl
cmpdstmt ::= "incepe" stmtlist "termina"
stmtlist ::= stmt | stmt ":" stmtlist
stmt ::= simplstmt | structstmt
simplstmt ::= assignstmt l iostmt
forstmt ::= "pentru" "(" assignstmt ";" condition ";" assignstmt ")" "fa" "{" stmt "}"
foreachstmt ::= "pentrufiecare" "(" IDENTIFIER "in" IDENTIFIER ")" "fa" "{" stmt "}"
assignstmt ::= IDENTIFIER "=" expression
expression ::= expression "adunate" term I term
term ::= term "oriori" factor I factor
factor ::= "(" expression ")" | IDENTIFIER
iostmt ::= "citeste" | "scrie" "(" IDENTIFIER ")"
structstmt ::= cmpdstmt I ifstmt I whilestmt
ifstmt ::= "daca" "(" condition ")" "atunci" "{" stmt "}" ["altfel" "{" stmt "}"]
whilestmt ::= "cattimp" "(" condition ")" "fa" "{" stmt "}"
condition ::= expression RELATION expression
RELATION ::= "maimic" | "maimicegal" | "verificaegal" | "nu" | "maimareegal" | "maimare"
token.in
A
B
```

CDEFGHIJKLMNOPQRSTUV

```
W
X
Y
Z
a
b
c
d
e
f
g
h
i
j
k
I
m
n
0
p
q
r
s
t
u
v
v
x
y
z
0
1
2
3
4
5
6
7
8
9
adunate
stergete
oriori
orioriinvers
estiegal
verificanuegal
maimareegal
verificanuegal
maimareegal
lasuta
spatiu
maimareegal
lasuta
spatiu
sarilinia
gatalinia
        sisi
sausau
  cvnou
daca
altfel
cattimp
fa
pentrufiecare
oprestete
continua
scrie
citeste
atunci
incepe
termina
intreg
real
sfoara
advfals
caracter
sir
functie
constanta
intoarce
€
  de
prog
in
```