

Lab 8

Git:

<https://github.com/fciocan42/FLCD.git>

Docs:

Alphabet:

- a. Upper (A-Z) and lower case letters (a-z) of the English alphabet
- b. Underline character '_';
- c. Decimal digits (0-9);

Data types:

1. number:

noconst:="+"no|"-"no|no

no:=digit{no}

2. atom

atom:='letter' | {letter|digit}

User-defined Data Type:

1. record

record = field | {field}

field = atom ":" number

Lexic:

- a. Special symbols, representing:

- operators

+ - * / % < <= == >= > = | and or ->

- separators

{ } () [] ; , . space enter

- reserved words

fun define case of end when read write

- b. identifiers

- a sequence of letters and digits, such that the first character is a letter; the rule is:

identifier ::= letter | letter{letter}{digit}

letter ::= "A" | "B" | ... | "Z" | "a" | "b" | ... | "z"

digit ::= "0" | "1" | ... | "9"

- c. constants

atoms are constant literals