<https://github.com/IanisT227/FLCD_Ianis_Teja>

Lexic.txt

**Alphabet**:

1. Upper (A-Z) and lower case letters(a-z) of the english alphabet
2. Tilda character “~”;
3. Decimal digits(0-9);

Lexic:

**a.Special symbols, representing:**

-operators + - \* / < <= = >= isNot and

-separators : () [] space {}

-reserved words:

var read write whileTrue endWhileTrue checkIf Integer String List

**b.identifiers**

letter::= A | B | C |... |Z | a | b | c | … | z |

identifier::= letter | letter{letter}

**c.constants**

1. **Integer - rule:**

digit::= 0 | 1 | … | 9

nonZeroDigit::= 1 | 2 | … | 9

sign::= - | +

constNumber::= digit | nonZeroDigit{digit} | sign nonZeroDigit {digit}

1. **String - rule:**

constString::= “string”

string::= char{string}

char::= letter|digit

1. **List - Rule**

list::= string {string} | number {number}

Syntax.in

Program starts and ends with ~

Sintactical rules:

declaration::= var <identifier> : <type>

type::= Integer|String

arraydecl::= var <identifier> : List(<type>, <number>)