

Assignment 2

Lexic

Alphabet:

- Uppercase letters: A - Z
- Lowercase letters: a - z
- Decimal digits: 0 - 9

Lexical:

- Special symbols, representing:
 - Operators
 - Comparison:
 - ==
 - <=
 - >=
 - <
 - >
 - Arithmetic:
 - =
 - +
 - -
 - /
 - *
 - Separators
 - ()
 - []
 - {}
 - ;
 - ,
 - space
 - /n
 - Reserved words
 - read
 - write
 - fread
 - fwrite
 - if
 - else
 - while
 - for
 - repeat
 - until
 - int
 - char
 - var
 - const

- Identifiers:
 - Identifier = letter | letter {letter}{digit}
 - Letter = "A" | "B" | ... | "Z" | "a" | "b" | ... | "z"
 - Digit = "0" | "1" | ... | "9"
 - NonZeroDigit = "1" | ... | "9"
- Constants:
 - NumericConstant = "0" | ["+"] NonZeroDigit | ["-"] NonZeroDigit
 - StringConstant = "{char}"
 - CharConstant = "[char]"
 - Char = letter | digit | " "