

```

1 Alphabet:
2   a. Upper (A-Z) and lower case letters (a-z) of the English alphabet
3
4   b. Underline character '_'
5
6   c. Decimal digits (0-9)
7
8 Lexic:
9
10  a.Special symbols, representing:
11
12      - operators
13        + - * / = < <= == >= and or
14
15      - separators
16        [] {} ; space
17
18      - reserved words:
19        let bool int string read write if then for while do true false
20
21  b.identifiers
22
23      -a sequence of letters and digits, such that the first character is a letter;
24      the rule is:
25
26          identifier = letter {letter | digit | "_"}
27          letter = "A" | "B" | ... | "Z" | "a" | "b" | ... | "z"
28          digit = "0" | nonzero
29          nonzero = "1" | "2" | ... | "9"
30
31  c.constants
32
33      1.integer:
34
35          integer = "0" | ["+" | "-"] nonzero {digit}
36
37      2.boolean:
38
39          boolean = "true" | "false"
40
41      3.string:
42
43          string = "" {letter | digit | "_"} ""

```