

# Regular Expressions

1: Digit: `^[0-9]$`

2: Letter: `^[a-zA-Z]$`

3: Number: `^[0-9]+(\.[0-9]+)?$`

4: Special Characters: `^[!@,;#$$%^&*()\[\]\{\}\|\~]$`

5: String: `^[a-zA-Z0-9!""#$%&'()*+,-./:;<=>?@[\\]^_`{|}~ - ]+$`

6: Reserved

Keywords: `(int|float|string|read|write|repeat|until|if|elseif|else|then|return|endl)$`

7: Identifiers: `^[a-zA-Z]([a-zA-Z0-9])*$`

8: `1_line_` Comment: `@"^/[^\r\n]*$"`

9: `multiLineComment`: `@"^/*[a-zA-Z0-9!""#$%&'()*+,-./:;<=>?@[\\]^_`{|}~ - \r\n\t\s\f\v]*/$"`

10: Arithmetic Operators: `^(\\+|\\-|\\*|/)$`

11: Assignment Operator: `^:= $`

12: Condition operators: `^(<|>|=|<>)$`

13: Boolean operators: `^(&&|\\|)$`