1. Number:

^[0-9]+(\.[0-9]\*)?$

1. String:

\".\*\"

1. Reserved\_Keywords:

int|float|string|read|write|repeat|until|if|elseif|else|then|return|endl

1. comment\_Statement:

/\\*([^\*]|[\r\n\t]|(\\*+([^/]|[\r\n\t])))\*\\*/

1. Identifiers:

^[a-zA-Z][a-zA-Z0-9]\*$

1. Function\_Call:

identifier\(identifier?(, \*identifier)\*\)

1. Term:

Number | identifier | Function\_Call

1. Arithmatic\_Operator:

^[+|\-|/|\*]$

1. Equation:

(Term|(Arithmetic\_Operator Term)\*|(Term Arithmetic\_Operaor)\*\( Term|(Arithmetic\_Operator Term)\*\)(Arithmetic\_Operator Term)\*)

1. Expression:

String|Term|Equation

1. Assignment\_Statement:

Identifier\s\*:=\s\*Expression

1. Datatype:

int|float|string

1. Declaration\_Statement:

Datatype\s+(Assignment\_Statement|Identifier)(,\s\*(Assignement\_Statment|Identifier))\*\s\*;

1. Write\_Statement:

write\s+(Expression|endl)\s\*;

1. Read\_Statement:

read\s+Identifier\s\*;

1. Return\_Statement:

return\s+Expression\s\*;