CFG:

program
        : statements
        ;
statements
        : statement statement
        | statements
        ;

statement
        : Print statement
        | Add expression with expression
        | Subtract expression from expression
        | Multiply expression by expression
        | Divide expression by expression
        | Assign variable_name to expression
expression
        : statement
        | RPN
        | STRING
        | NUMBER
        ;
variable_name
        : IDENTIFIER
        ;

REGULAR EXPRESSIONS

Print   - >   r"Print"
Add   - >   r"Add"
Subtract   - >   r"Subtract"
Multiply   - >   r"Multiply"
Divide   - >   r"Divide"
Assign   - >   r"Assign"
with   - >   r"with"
from   - >   r"from"
by   - >   r"by"
to   - >   r"to"
RPN   - >   r"[0-9][0-9\' '\+\-\/*]+"
NUMBER   - >   r"[0-9]+"),
STRING   - >   r"\"[A-Za-z0-9_]+[A-Za-z0-9_\' ']+\""
IDENTIFIER   - >   r"[A-Za-z][A-Za-z0-9_]+
IGNORE   - >   r"\s+"