<program> ::= <statement\_list>

<statement\_list> ::= <statement> ";" | <statement\_list> ";"

<statement> ::= <assignment> | <print> | <if\_statement> | <while\_loop>

<assignment> ::= <identifier> "=" <expression>

<print> ::= "print" <expression> ";"

<if\_statement> ::= "if" <expression> "{" <statement\_list> "}"

<while\_loop> ::= "while" <expression> "{" <statement\_list> "}"

<expression> ::= <term> | <number> <op> <number>

< term > ::= <number> | <identifier> | <string> | "(" <expression> ")"

<number> ::= <digit>+

<identifier> ::= [a-zA-Z\_][a-zA-Z0-9\_]\*

<op> ::= "+" | "-"| "\*" | "/"

<string> ::= [a-zA-Z\_][a-zA-Z0-9\_]\*

<digit> ::= [0-9]\*