Primitive Types

$\langle statement \rangle ::= \langle ident \rangle$ '=' $\langle expr \rangle$
  | 'for' $\langle ident \rangle$ '=' $\langle expr \rangle$ 'to' $\langle expr \rangle$ 'do' $\langle statement \rangle$
  | '{' $\langle stat\text{-}list \rangle$ '}'
  | $\langle empty \rangle$

$\langle stat\text{-}list \rangle ::= \langle statement \rangle$ ';' $\langle stat\text{-}list \rangle \mid \langle statement \rangle$

$\langle singleQuote \rangle ::=$ '

$\langle doubleQuote \rangle ::=$ "

$\langle int \rangle ::=$ [integer]

$\langle bool \rangle ::=$ 'true' | 'false'

$\langle char \rangle ::= \langle singleQuote \rangle$[character]$\langle singleQuote \rangle$

$\langle string \rangle ::= \langle doubleQuote \rangle$[character*]$\langle doubleQuote \rangle$

$\langle null \rangle ::=$ 'null'

Arithmetic and Boolean Operators

$\langle arithOp \rangle ::=$ '+' | '-' | '*' | '/' | '%'

$\langle boolOp \rangle ::=$ '<' | '>' | '<=' | '>=' | '!' | '!=' | '==' | '&&' | '||'

$\langle op \rangle ::= \langle arithOp \rangle \mid \langle boolOp \rangle$