```
program
            \rightarrow funDecl* EOF;
             → "fun" IDENTIFIER "("
funDecl
                 ( IDENTIFIER ":" type ( "," IDENTIFIER ":" type )* ","? )?
                 ")" ":" type block;
statement \rightarrow varDecl
         | exprStmt
         | ifStmt
         | putStmt
         | returnStmt
         | whileStmt
         | block;
             \rightarrow "var" IDENTIFIER ":" type "=" expression ";" ;
varDecl
exprStmt \rightarrow expression ";";
ifStmt
           → "if" "(" expression ")" statement
          ("else" statement)?;
putStmt
            \rightarrow "put" expression ";";
returnStmt → "return" expression? ";";
\mbox{whileStmt} \quad \rightarrow \mbox{"while" "(" expression ")" statement ;} \\
           \rightarrow "{" statement* "}";
block
expression → assignment;
assignment → IDENTIFIER "=" assignment
         | disjunction ;
disjunction \rightarrow conjunction ("or" conjunction)*;
conjunction \rightarrow equality ( "and" equality )*;
equality \rightarrow comparison ( ("!=" | "==") comparison )*;
comparison \rightarrow term ( (">" | ">=" | "<" | "<=" ) term )*;
           \rightarrow factor ( ( "-" | "+" ) factor )*;
term
           \rightarrow unary ( "*" unary )*;
factor
           \rightarrow ("!" | "-") unary | call | primary;
unary
          \rightarrow IDENTIFIER "(" ( expression ( ","expression )* ","? )? ")";
call
            \rightarrow TRUE | FALSE | GET
primary
         | NUMBER | IDENTIFIER | "(" expression ")"
```