```
program ::= "start" cmpStmt
statement ::= /decl | assigStmt | ifStmt |
              whileStmt | returnStmt | forStmt| ioStmt/

decl::="/"IDENTIFIER"/" : type
type::="BOOL" |"CHAR"|"INT"|"REAL"|"STR"
arrayDecl ::= "array" " " type " " IDENTIFIER "[" "]"

stmtList ::= stmt | stmt "*" statement_list
cmpStmt ::= "{" statement_list "}"

expression ::= expression + term | expression - term | term
term ::= term * factor | term / factor | factor
factor ::= "/" expression "/" | IDENTIFIER | CONST

ioStmt ::= "read" "/" IDENTIFIER "/" | "write" "/" IDENFITIER "/" | "write" "/" CONST "/"


assignStmt ::= IDENTIFIER "<-" expression
ifStmt::= "if" "/" condition "/" cmpStmt| "if" "/" condition "/"cmpStmt "else" cmpStmt
whileStmt ::= "while "/" condition "/" cmpStmt
returnStmt ::= "return expression"
forStmt::= "for" forCond cmpStmt
forCond ::= "/" "int" assignStmt ";" condition ";" assignStmt ")"

condition ::= expression relation expression
relation ::= "<" | "<=" | "==" | "!=" | ">=" | ">"
```