Grammar

Implemented: (sort of)

$$[prog] \rightarrow [stmt]^*$$

$$[stmt] \rightarrow \begin{cases} ret\ [expr]; \\ int\ ident = [expr]; \end{cases}$$

$$[expr] \rightarrow \begin{cases} [term] \end{cases}$$

$$[term] \rightarrow \begin{cases} int\_lit \\ ident \end{cases}$$

Todo:

$$[prog] \rightarrow [stmt]^*$$

$$[stmt] \rightarrow \begin{cases} ret\ [expr]; \\ [type]\ ident = [expr]; \\ if([expr])[stmt] \\ [scope] \end{cases}$$

$$[scope] \rightarrow \{[stmt]^*\}$$

$$[expr] \rightarrow \begin{cases} [binexpr] \\ [term] \end{cases}$$

$$[binexpr] \rightarrow \begin{cases} [expr] * [expr] & prec = 1 \\ [expr]\ /\ [expr] & prec = 1 \\ [expr] + [expr] & prec = 0 \\ [expr] - [expr] & prec = 0 \end{cases}$$

$$[term] \rightarrow \begin{cases} int\_lit \\ ident \\ ([Expr]) \\ TRUE \\ FALSE \\ 'c' \end{cases}$$

$$[type] \rightarrow \begin{cases} int \\ bool \\ char \\ float \end{cases}$$