IntLang grammar (EBNF)

Program   ::= Block

Block   ::= **declare** OneDeclaration* **do** OneStatement* **od**

OneDeclaration   ::= **var Identifier ;**
                    | **func Identifier (** (IdList | ε) **)** Block **return** Expression ;

IdList   ::= **Identifier** (**, Identifier**)*

OneStatement   ::= Expression ;
                    | **if** Expression **then** OneStatement* **fi ;**
                    | **if** Expression **then** OneStatement* **else** OneStatement* **fi ;**
                    | **while** Expression **do** OneStatement* **od ;**
                    | **say** Expression ;

Expression   ::= Primary (**Operator** Primary)*

Primary   ::= **Identifier**
                    | **Identifier (** (ExpressionList | ε) **)**
                    | **Operator** Primary
                    | **IntegerLiteral**
                    | **(** Expression **)**

ExpressionList   ::= Expression (**,** Expression)*