

IntLang grammar (EBNF) version 2

Program ::= Block

Block ::= **declare** Declarations **do** Statements **od**

Declarations ::= OneDeclaration*

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

IdList ::= Identifier (, Identifier)*

Statements ::= OneStatement*

OneStatement ::= Expression ;
| **if** Expression **then** Statements (ε | **else** Statements) **fi** ;
| **while** Expression **do** Statements **od** ;
| **say** Expression ;

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

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

ExpressionList ::= Expression (, Expression)*