

## IntLang grammar (EBNF) version 2

Program	::= Block
Block	::= <b>declare</b> Declarations <b>do</b> Statements <b>od</b>
Declarations	::= OneDeclaration*
OneDeclaration	::= <b>var Identifier ;</b>   <b>func Identifier ( ( IdList   <math>\epsilon</math> ) ) Block <b>return</b> Expression ;</b>
IdList	::= <b>Identifier ( , Identifier )*</b>
Statements	::= OneStatement*
OneStatement	::= Expression ;   <b>if</b> Expression <b>then</b> Statements ( $\epsilon$   <b>else</b> Statements ) <b>fi</b> ;   <b>while</b> Expression <b>do</b> Statements <b>od</b> ;   <b>say</b> Expression ;
Expression	::= Primary ( <b>Operator</b> Primary )*
Primary	::= <b>Identifier</b> ( $\epsilon$   ( ( ExpressionList   $\epsilon$ ) ) )   <b>Operator</b> Primary   <b>IntegerLiteral</b>   ( Expression )
ExpressionList	::= Expression ( , Expression )*