

Program --> FunctionList.

FunctionList --> Function, FunctionList.

FunctionList --> Function.

Function --> Signature, BlockScope.

Signature --> Type, Id, ['('], ArgList, [')'].

ArgList --> Arg, [','], ArgList.

ArgList --> Arg.

Arg --> Type, Id.

BlockScope --> ['{'], Block, [']'].

Block --> StatementBlockList.

StatementBlockList --> StatementBlock, StatementBlockList.

StatementBlockList --> StatementBlock.

StatementBlock --> StatementsList, [';'].

StatementBlock --> ConditionalList.

ConditionalList --> Conditional, ConditionalList.

ConditionalList --> Conditional.

StatementsList --> Statement, [';'], StatementsList.

StatementsList --> Statement.

Statement --> Declaration.

Statement --> Assignment.

Statement --> PrintStatement.

PrintStatement --> [print], Value.

PrintStatement --> [print], Id.

Conditional --> Ifte.

Conditional --> WhileLoop.

Conditional --> ForLoop.

Ifte --> [if], ConditionalParan, BlockScope.

Ifte --> [if], ConditionalParan, BlockScope, Else.

Else --> [else], Ifte.

Else --> [else], BlockScope.

ConditionalParan --> ['('], Boolean, [')'].

WhileLoop --> [while], ConditionalParan, BlockScope.

ForLoop --> [for], ['('], Csv, [';'], Boolean, [';'], Csv, [')'], BlockScope.

Csv --> Statement, [';'], Csv.

Csv --> Statement.

Declaration --> Type, Id.

Declaration --> Type, Id, ['='], AnyValue.

Declaration --> Type, Id, ['='], Expression.

Assignment --> Id, ['='], AnyValue.

Assignment --> Id, ['='], Expression.

Assignment --> Id, AssignmentOperator, Expression.

Assignment --> Id, ValueOperator.

Assignment --> ValueOperator, Id.

AssignmentOperator --> ['+='].

AssignmentOperator --> ['-='].

AssignmentOperator --> ['\*='].

AssignmentOperator --> ['/='].

ValueOperator --> ['++'].

ValueOperator --> ['--'].

Type --> [int].

Type --> [boolean].

Type --> [string].

AnyValue --> Boolean.

AnyValue --> Value.

AnyValue --> StringLiteral.

AnyValue --> Ternary.

StringLiteral --> [string(\_)].

Expression --> Term, ['+'], Term.

Expression --> Term, ['-'], Term.

Expression --> Term.

Term --> Paran, ['\*'], Paran.

Term --> Paran, ['/'], Paran.

Term --> Paran.

Paran --> ['('], Expression, [')'].

Paran --> Value.

Ternary --> Boolean, ['?'], AnyValue, [':'], AnyValue.

Boolean --> [true].

Boolean --> [false].

Boolean --> [not], Boolean.

Boolean --> Boolean, BoolOperator, Boolean.

Boolean --> Expression, NumOperator, Expression, BooleanTernary.

BoolOperator --> [and].

BoolOperator --> [or].

BoolOperator --> ['=='].

NumOperator --> ['>'].

NumOperator --> ['>='].

NumOperator --> ['<'].

NumOperator --> ['<='].

NumOperator --> ['=='].

BooleanTernary --> BooleanReturn, ['?'], Boolean, [':'], Boolean.

BooleanReturn --> Boolean.

BooleanReturn --> BooleanTernary.

BooleanReturn --> FunctionCall.

FunctionCall --> Id, ['('], ParamList, [')'].

ParamList --> AnyValue, [','], ParamList.

ParamList --> AnyValue.

Id --> [id(\_)].

Value --> Id.

Value --> [int(\_)].

Value --> [string(\_)].