EBNF Grammar

Blue indicates a terminal token

Grey indicates a meta operator

Black indicates a non-terminal

```
func -> func id ( paramList ) block
                                                         assign -> identifier = expression;
paramList -> (param | param , )*
                                                         expression -> (identifier | literal ) expressionTail
param -> identifier : (type | identifier)
                                                         literal -> LIT_INT32(i32) | LIT_FLT32(f32) |
                                                         LIT_CHAR(char) | LIT_STRING(String) |
identifier -> ID(String)
                                                         LIT BOOL(bool)
type -> TYPE_INT32 | TYPE_FLT32 | TYPE_CHAR
                                                         expressionTail -> (operator | identifier)*
| TYPE_BOOL
                                                         operator -> OP ADD | OP NUL | OP SUB |
let -> KW_let Program -> (func | let)+
                                                         OP_LT | OP_GT | OP_EQ | OP_NGT | OP_NLT |
                                                         OP_NEQ
identifier (: type ( = identifier));
                                                         funcCall -> identifier ( arguments );
block -> [ (statement)* ]
                                                         arguments -> ( identifier ( , identifier)*)
statement -> let | if | return | while | print |
assign | funcCall
if -> KW_IF expression block KW_ELSE block
return -> KW_RETURN expression;
```

while -> KW_WHILE expression block print -> KW_PRINT expression ;