```
program -> definitions:definition*;
definitionVariable:definition -> name:string type;
definitionStruct:definition -> name:string structFields:structField*;
definitionFunction:definition -> name:string definitionFunctionParams:definitionVariable*
type localVariables:definitionVariable* sentences:sentence*;
structField -> name:string type;
typeInt:type -> ;
typeFloat:type -> ;
typeChar:type -> ;
typeVoid:type -> ;
typeArray:type -> size:expressionConstantInt type;
typeStruct:type -> name:string;
sentencePrint:sentence -> expression;
sentencePrintsp:sentence -> expression;
sentencePrintln:sentence -> expression;
sentenceReturn:sentence -> expression;
sentenceRead:sentence -> expression;
sentenceAssignment:sentence -> left:expression right:expression;
sentenceCallFunction:sentence -> name:string callFunctionParams:expression*;
sentenceIf:sentence -> condition:expression ifSentences:sentence* elseSentences:sentence*;
sentenceWhile:sentence -> condition:expression sentences:sentence*;
expressionConstantInt:expression -> value:string;
expressionConstantFloat:expression -> value:string;
expressionConstantChar:expression -> value:string;
expressionCallFunction:expression -> name:string callFunctionParams:expression*;
expressionUnary:expression -> operator:string expression;
expressionCast:expression -> newType:type expression;
expressionArithmetic:expression -> left:expression operator:string right:expression;
expressionRelational:expression -> left:expression operator:string right:expression;
expressionLogical:expression -> left:expression operator:string right:expression;
expressionVariable:expression -> name:string;
expressionStructField:expression -> struct:expression name:string;
expressionArray:expression -> array:expression index:expression;
```