



## Die Grammatik von MiniJava (aus der Vorlesung):

```
<program> ::= <decl>* <stmt>*

<decl>    ::= <type> <name> ( , <name> )* ;

<type>    ::= int

<stmt>    ::= ;
           | { <stmt>* }
           | <name> = <expr>;
           | <name> = read();
           | write(<expr>);
           | if (<cond>) <stmt>
           | if (<cond>) <stmt> else <stmt>
           | while (<cond>) <stmt>

<expr>    ::= <number>
           | <name>
           | (<expr>)
           | <unop> <expr>
           | <expr> <binop> <expr>

<unop>    ::= -

<binop>   ::= - | + | * | / | %

<cond>    ::= true
           | false
           | (<cond> )
           | <expr> <comp> <expr>
           | <bunop> <cond>
           | <cond> <bbinop> <cond>

<comp>    ::= == | != | <= | < | >= | >

<bunop>    ::= !

<bbinop>   ::= && | ||
```