```
Program ::= (ClassDeclaration)* eot
ClassDeclaration ::=
      class id {
          MemberDeclaration*
MemberDeclaration ::= (public | private)? static? Type id (
             | (ParameterList?) {
                   Statement* (return Expression ;)?
            )
Type ::= PrimitiveType | ReferenceType
PrimitiveType ::= int([])?
                 boolean
ReferenceType ::= id([])?
ParameterList ::= Type id (, Type id)*
Args ::= (ArgumentList?)
ArgumentList ::= Expression (, Expression)*
Reference ::= BaseRef ReferenceTail
BaseRef ::= this | RefSegment
ReferenceTail :: = (. id([Expression])?)*
RefSegment ::= id([Expression])?
Statement ::=
         { Statement* }
       ReferenceStatement
      PrimitiveType id = Expression;
      if ( Expression ) Statement (else Statement)?
        while ( Expression ) Statement
ReferenceStatement ::=
        this ReferenceTail ReferenceStatementTail
        id ( (id = Expression; | ReferenceTail ReferenceStatementTail)
              [ (] id = Expression; | Expression] ReferenceTail
ReferenceStatementTail)
            )
ReferenceStatementTail ::= (= Expression | Args);
Expression ::= DisjunctionExpression
```