```
program ::= [class;]^+
             class TYPE [inherits TYPE] { [feature; ]*}
  class
feature ::= ID( [formal [, formal]]^*] ) : TYPE { expr }
             ID: TYPE [ <- expr ]
formal ::= ID : TYPE
  expr ::= ID <- expr
              expr[@TYPE].ID([expr[,expr]^*])
             ID([expr[,expr]^*])
             if expr then expr else expr fi
             while expr loop expr pool
              \{ [expr;]^+ \}
             let ID : TYPE [ \leftarrow expr \mid [, ID : TYPE \mid \leftarrow expr \mid]]^* in expr
             case expr of [ID : TYPE => expr;]^+esac
             new TYPE
             isvoid expr
              expr + expr
              expr - expr
              expr * expr
              expr/expr
              \tilde{expr}
              expr < expr
              expr <= expr
              expr = expr
             not expr
             (expr)
             ID
             integer
             string
             true
             false
```

Figure 1: Cool syntax.