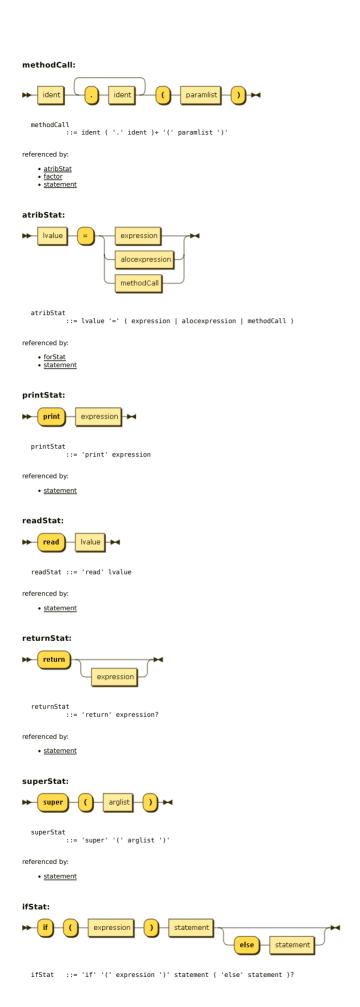


```
\label{eq:methoddecl} \mbox{\tt ::= ( primitive type | ident ) ( '[' ']' )* ident method body}
referenced by:
    • classbody
methodbody:
                                   statement
             paramlist
  methodbody
::= '(' paramlist ')' statement
referenced by:
    • constructdecl
• methoddecl
paramlist:
                ident
  referenced by:
    • methodCall
• methodbody
statement:
            varded
            atribStat
            printStat
           returnStat
          superStat
           doWhileStat
           break
         ifStat
         whileStat
         switchStat
            t
::= ( vardecl | methodCall | atribStat | printStat | readStat | returnStat | superStat | doWhileStat | 'break' )? ';'
| ifStat
| forStat
| whileStat
| switchStat
| '{' statement+ '}'
referenced by:
     • doWhileStat

    downliestat
    forStat
    ifStat
    methodbody
    statement
    switchCaseStat
    whileStat
```

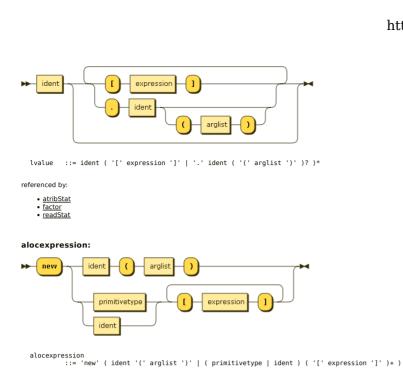


statement 🛶

referenced by: • statement forStat: for atribStat atribStat expression forStat ::= 'for' '(' atribStat? ';' expression? ';' atribStat? ')' statement referenced by: • statement whileStat: **while** whileStat ::= 'while' '(' expression ')' statement referenced by: • statement doWhileStat: doWhileStat ::= 'do' statement '(' expression ')' referenced by: • statement switchStat: switchStat ::= 'switch' '(' ident ')' '{' switchCaseStat* '}' referenced by: • statement switchCaseStat: default switchCaseStat ::= ('case' factor | 'default') ':' statement referenced by: • switchStat arglist: $\mbox{arglist} \ ::= \mbox{(expression (','expression')*)}?$ referenced by:

lvalue:

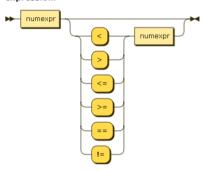
alocexpression
 Ivalue
 superStat



referenced by:

• atribStat

expression:

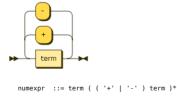


expression $::= numexpr \ (\ (\ '<' \ | \ '>' \ | \ '<=' \ | \ '>=' \ | \ '==' \ | \ '!=' \) \ numexpr \)?$

referenced by:

- alocexpression
 arglist
 atribStat
 factor
 forStat
 ifStat
 lvalue
 printStat
 returnStat
 returnStat
 whileStat
 whileStat
 whileStat
 whileStat

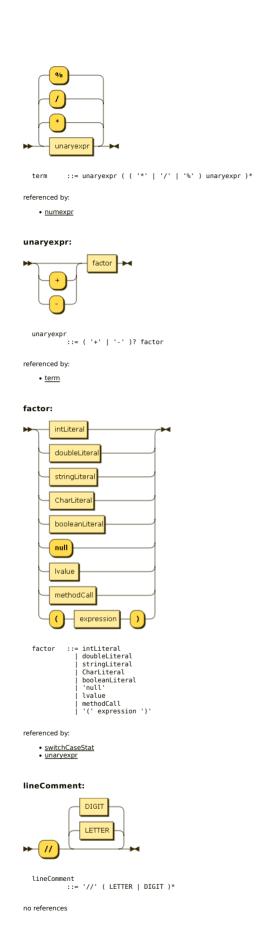
numexpr:



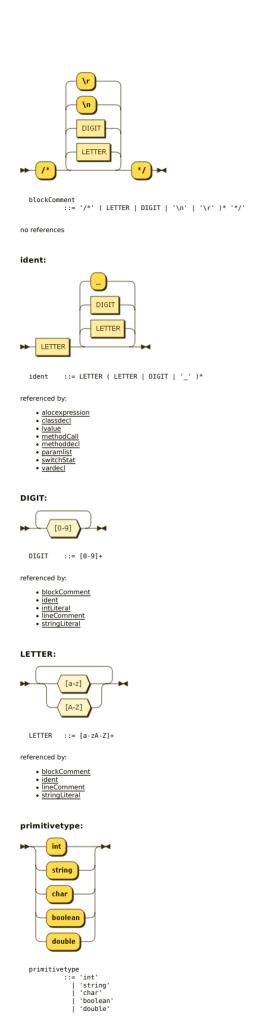
referenced by:

• expression

term:



blockComment:



referenced by:

- alocexpression methoddecl paramlist vardecl

intLiteral:

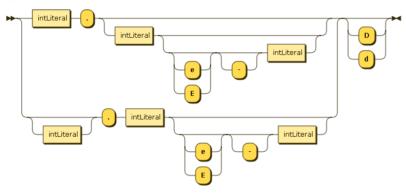


intLiteral
::= DIGIT+

referenced by:

• doubleLiteral • factor

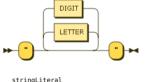
doubleLiteral:



doubleLiteral
::= (intLiteral '.' (intLiteral (('e' | 'E')? '-'? intLiteral)?)? | intLiteral? '.' intLiteral (('e' | 'E')? '-'? intLiteral)?) ('D' | 'd')?

• <u>factor</u>

stringLiteral:

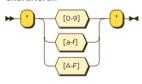


stringLiteral
 ::= '"' (LETTER | DIGIT)* '"'

referenced by:

• <u>factor</u>

CharLiteral:



CharLiteral ::= "'" [0-9a-fA-F] "'"

referenced by:

• factor

booleanLiteral:



booleanLiteral ::= 'true' | 'false'

referenced by:

• <u>factor</u>

... generated by Railroad Diagram Generator