04/04/2023, 16:09 diagram.xhtml

#### programa:



no references

#### declaracao:



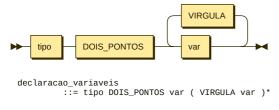
declaracao

::= declaracao\_variaveis | inicializacao\_variaveis | declaracao\_funcao

referenced by:

• programa

### declaracao\_variaveis:



referenced by:

- acao
   declaracao

### inicializacao\_variaveis:



inicializacao\_variaveis ::= atribuicao

referenced by:

declaracao

#### var:



::= ID ( ABRE\_COLCHETE expressao FECHA\_COLCHETE )\* var

referenced by:

- atribuicao
- declaracao\_variaveis
- fator
- leia

## tipo:

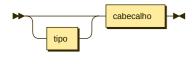


::= INTEIRO tipo

referenced by:

- declaracao\_funcao
   declaracao\_variaveis
- parametro

#### declaracao\_funcao:



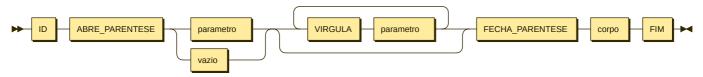
| FLUTUANTE

declaracao\_funcao
 ::= tipo? cabecalho

referenced by:

• declaracao

#### cabecalho:



::= ID ABRE\_PARENTESE ( parametro | vazio ) ( VIRGULA parametro )\* FECHA\_PARENTESE corpo FIM

referenced by:

• declaracao\_funcao

#### parametro:



parametro  $::= \mbox{ tipo DOIS\_PONTOS ID ( ABRE\_COLCHETE FECHA\_COLCHETE )}^{\star}$ 

referenced by:

• cabecalho

### corpo:

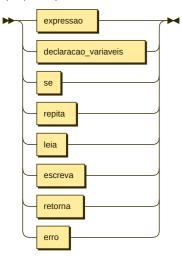


referenced by:

- cabecalhorepita
- <u>se</u>

#### acao:

diagram.xhtml

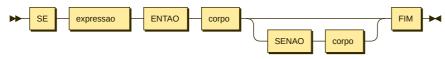


```
acao
            ::= expressao
                 declaracao_variaveis
                 se
                 repita
                leia
escreva
retorna
erro
```

referenced by:

• corpo

#### se:

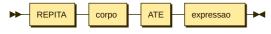


::= SE expressao ENTAO corpo ( SENAO corpo )? FIM se

referenced by:

acao

# repita:



::= REPITA corpo ATE expressao repita

referenced by:

<u>acao</u>

# atribuicao:



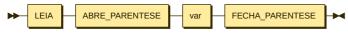
atribuicao

::= var ATRIBUICAO expressao

referenced by:

- expressao
   inicializacao\_variaveis

# leia:



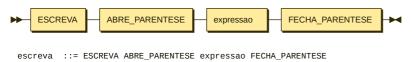
leia ::= LEIA ABRE\_PARENTESE var FECHA\_PARENTESE

referenced by:

<u>acao</u>

04/04/2023, 16:09 diagram.xhtml

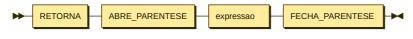
#### escreva:



referenced by:

• acao

#### retorna:



retorna ::= RETORNA ABRE\_PARENTESE expressao FECHA\_PARENTESE

referenced by:

acao

# expressao:

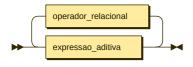


expressao

::= expressao\_simples ( operador\_logico expressao\_simples )\*  $\mid$  atribuicao

referenced by:

- <u>acao</u>
- atribuicao
- chamada funcao
- escreva • fator
- <u>rator</u>
   <u>repita</u>
- retorna
- sevar
- expressao\_simples:



 $\begin{tabular}{ll} expressao\_simples \\ ::= expressao\_aditiva \mbox{ ( operador\_relacional expressao\_aditiva )*} \end{tabular}$ 

referenced by:

• expressao

### expressao\_aditiva:



expressao\_aditiva
::= expressao\_multiplicativa ( operador\_soma expressao\_multiplicativa )\*

referenced by:

• expressao\_simples

## expressao\_multiplicativa:

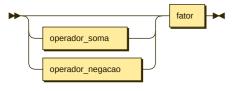
```
operador_multiplicacao
expressao_unaria
```

expressao\_multiplicativa
::= expressao\_unaria ( operador\_multiplicacao expressao\_unaria )\*

referenced by:

• expressao\_aditiva

# expressao\_unaria:

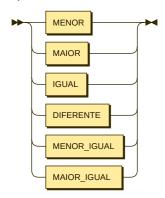


expressao\_unaria ::= ( operador\_soma | operador\_negacao )? fator

referenced by:

• expressao\_multiplicativa

### operador\_relacional:



operador\_relacional ::= MENOR MAIOR IGUAL DIFERENTE MENOR\_IGUAL MAIOR\_IGUAL

referenced by:

• expressao simples

# operador\_soma:



referenced by:

- <u>expressao aditiva</u><u>expressao unaria</u>

### operador\_logico:

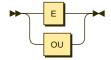


diagram.xhtml

```
operador_logico
::= E
| OU
```

referenced by:

expressao

# operador\_negacao:



operador\_negacao ::= NAO

referenced by:

• expressao\_unaria

# $operador\_multiplicacao:$

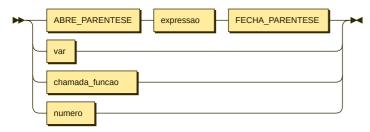


operador\_multiplicacao ::= VEZES | DIVIDE

referenced by:

expressao\_multiplicativa

#### fator:

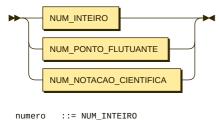


fator ::= ABRE\_PARENTESE expressao FECHA\_PARENTESE
| var
| chamada\_funcao
| numero

referenced by:

• expressao unaria

# numero:

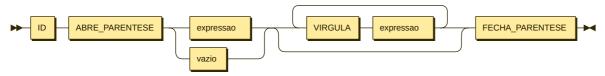


| NUM\_PONTO\_FLUTUANTE | NUM\_NOTACAO\_CIENTIFICA

referenced by:

• <u>fator</u>

## chamada\_funcao:



chamada\_funcao ::= ID ABRE\_PARENTESE ( expressao | vazio ) ( VIRGULA expressao )\* FECHA\_PARENTESE

referenced by:

• <u>fator</u>

... generated by RR - Railroad Diagram Generator