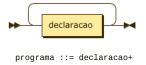
programa:



no references

declaracao:



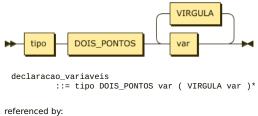
declaracao

::= declaracao_variaveis | inicializacao_variaveis | declaracao_funcao

referenced by:

• programa

declaracao_variaveis:



- acao
- <u>declaracao</u>

inicializacao_variaveis:



referenced by:

• declaracao

var:

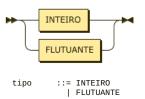


::= ID ($ABRE_COLCHETE$ expressao $FECHA_COLCHETE$)*

referenced by:

- atribuicao declaracao_variaveis
- <u>fator</u> <u>leia</u>

tipo:



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referenced by:

- declaracao_funcao
- declaracao_variaveis
 parametro

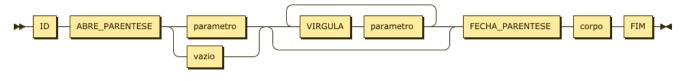
declaracao_funcao:



referenced by:

• <u>declaracao</u>

cabecalho:



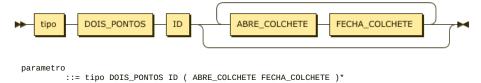
cabecalho

::= ID ABRE_PARENTESE (parametro | vazio) (VIRGULA parametro)* FECHA_PARENTESE corpo FIM

referenced by:

• <u>declaracao_funcao</u>

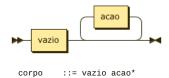
parametro:



referenced by:

• cabecalho

corpo:

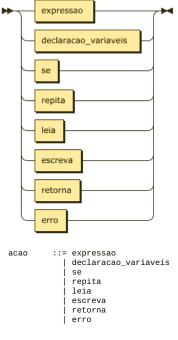


referenced by:

- <u>cabecalho</u>
- repita

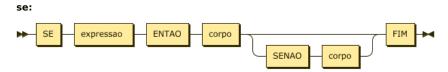
acao:

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referenced by:

• corpo



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

referenced by:

• acao

repita:



::= REPITA corpo ATE expressao repita

referenced by:

• acao

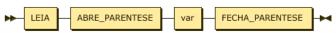
atribuicao:



referenced by:

- <u>expressao</u> <u>inicializacao_variaveis</u>

leia:



::= LEIA ABRE_PARENTESE var FECHA_PARENTESE leia

referenced by:

• acao

escreva:

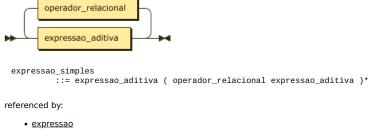
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```
ESCREVA
                     ABRE_PARENTESE
                                             expressao
                                                             FECHA_PARENTESE
 escreva ::= ESCREVA ABRE_PARENTESE expressao FECHA_PARENTESE
referenced by:
    • acao
retorna:
     RETORNA
                                                             FECHA_PARENTESE
                     ABRE_PARENTESE
                                             expressao
 retorna ::= RETORNA ABRE_PARENTESE expressao FECHA_PARENTESE
referenced by:
    • acao
expressao:
            operador_logico
            expressao_simples
         atribuicao
 expressao
           ::= expressao_simples ( operador_logico expressao_simples )*
| atribuicao
referenced by:
    • <u>acao</u>

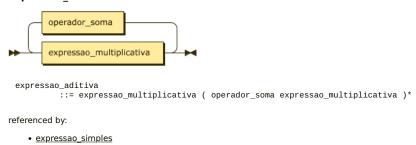
    atribuicao
    chamada_funcao

    fator

    • repita
    • <u>retorna</u>
    • <u>var</u>
expressao_simples:
         operador_relacional
         expressao_aditiva
 expressao_simples
           ::= expressao_aditiva ( operador_relacional expressao_aditiva )*
referenced by:
```



expressao_aditiva:



expressao_multiplicativa:

```
operador_multiplicacao
       expressao_unaria
expressao_multiplicativa
```

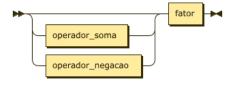
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 $::= {\tt expressao_unaria} \ (\ {\tt operador_multiplicacao} \ {\tt expressao_unaria} \)^{\star}$

referenced by:

• expressao_aditiva

expressao_unaria:

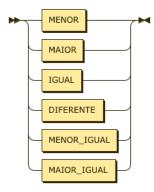


expressao_unaria ::= (operador_soma | operador_negacao)? fator

referenced by:

• expressao_multiplicativa

operador_relacional:



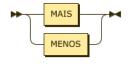
operador_relacional ::= MENOR | MAIOR | IGUAL

DIFERENTE MENOR_IGUAL MAIOR_IGUAL

referenced by:

• expressao_simples

operador_soma:



operador_soma ::= MAIS | MENOS

referenced by:

- <u>expressao_aditiva</u> <u>expressao_unaria</u>

operador_logico:



operador_logico ::= E | OU

referenced by:

• expressao

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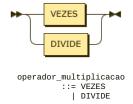
operador_negacao:

```
NAO operador_negacao
```

referenced by:

• expressao_unaria

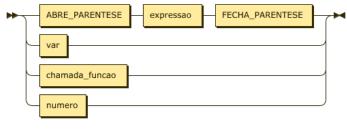
$operador_multiplicacao:$



referenced by:

• expressao_multiplicativa

fator:

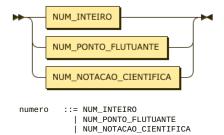


fator ::= ABRE_PARENTESE expressao FECHA_PARENTESE | var | chamada_funcao

referenced by:

• expressao_unaria

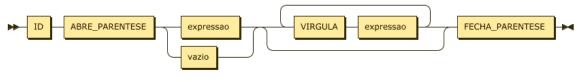
numero:



referenced by:

• fator

chamada_funcao:



chamada_funcao ::= ID ABRE_PARENTESE (expressao | vazio) (VIRGULA expressao)* FECHA_PARENTESE

referenced by:

• <u>fator</u>

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... generated by RR - Railroad Diagram Generator

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