

Parsed Rules

- (1) program \rightarrow prolog FUNC func_list_pre MAIN '(' ')' '{' EOL body '}' EOL func_list EOF
- (2) prolog \rightarrow PACKAGE MAIN EOL
- (3) func_list_pre $\rightarrow \epsilon$
- (4) func_list_pre \rightarrow FUNC_ID '(' param_list ')' func_def_type EOL FUNC func_list_pre
- (5) func_list $\rightarrow \epsilon$
- (6) func_list \rightarrow func_def func_list
- (7) func_def \rightarrow FUNC FUNC_ID '(' param_list ')' func_def_type EOL
- (8) param_list $\rightarrow \epsilon$
- (9) param_list \rightarrow VAR_ID type next_param
- (10) next_param $\rightarrow \epsilon$
- (11) next_param \rightarrow ',' VAR_ID type next_param
- (12) func_def_type \rightarrow '{' EOL body '}'
- (13) func_def_type \rightarrow '(' func_def_ret
- (14) func_def_ret \rightarrow ')' '{' EOL body '}'
- (15) func_def_ret \rightarrow ret_list_def ')' '{' EOL body '}'
- (16) ret_list_def \rightarrow type next_ret_def
- (17) next_ret_def $\rightarrow \epsilon$
- (18) next_ret_def \rightarrow ',' type next_ret_def
- (19) body $\rightarrow \epsilon$
- (20) body \rightarrow command EOL body
- (21) command \rightarrow VAR_ID var_
- (22) command \rightarrow func_call
- (23) command \rightarrow if
- (24) command \rightarrow cycle
- (25) command \rightarrow return
- (26) var_ \rightarrow var_def
- (27) var_ \rightarrow var_move
- (28) var_def \rightarrow ':=' EXPR
- (29) var_move \rightarrow next_id '=' expr_list
- (30) next_id $\rightarrow \epsilon$
- (31) next_id \rightarrow ',' VAR_ID next_id
- (32) if \rightarrow IF COND '{' EOL body '}' if_cont
- (33) if_cont $\rightarrow \epsilon$
- (34) if_cont \rightarrow ELSE else_
- (35) else_ \rightarrow '{' EOL body '}'
- (36) else_ \rightarrow if
- (37) cycle \rightarrow FOR for_def ';' COND ';' for_move '{' EOL body '}'
- (38) for_def $\rightarrow \epsilon$
- (39) for_def \rightarrow VAR_ID var_def
- (40) for_move $\rightarrow \epsilon$
- (41) for_move \rightarrow VAR_ID var_move
- (42) return \rightarrow RETURN return_list
- (43) return_list $\rightarrow \epsilon$
- (44) return_list \rightarrow EXPR next_ret
- (45) next_ret $\rightarrow \epsilon$
- (46) next_ret \rightarrow ',' EXPR next_ret
- (47) func_call \rightarrow FUNC_ID '(' func_args ')'
- (48) func_args $\rightarrow \epsilon$
- (49) func_args \rightarrow EXPR next_arg
- (50) next_arg $\rightarrow \epsilon$
- (51) next_arg \rightarrow ',' EXPR next_arg
- (52) expr_list \rightarrow EXPR next_expr
- (53) expr_list \rightarrow func_call
- (54) next_expr $\rightarrow \epsilon$
- (55) next_expr \rightarrow ',' EXPR next_expr
- (56) type \rightarrow INT
- (57) type \rightarrow FLOAT64
- (58) type \rightarrow STRING