

Full Grammar

Rule 0 S' -> start
Rule 1 start -> statements
Rule 2 start -> <empty>
Rule 3 statements -> statement statements
Rule 4 statements -> statement
Rule 5 statement -> simple_stmt SEMICOLON
Rule 6 statement -> compound_stmt END
Rule 7 simple_stmt -> expression_stmt
Rule 8 simple_stmt -> include_stmt
Rule 9 simple_stmt -> assign_stmt
Rule 10 simple_stmt -> assign_global_stmt
Rule 11 simple_stmt -> assign_this_stmt
Rule 12 simple_stmt -> increment_stmt
Rule 13 simple_stmt -> decrement_stmt
Rule 14 simple_stmt -> return_stmt
Rule 15 simple_stmt -> break_stmt
Rule 16 simple_stmt -> class_instantiation_stmt
Rule 17 simple_stmt -> class_setAttribute_stmt
Rule 18 compound_stmt -> if_stmt
Rule 19 compound_stmt -> while_stmt
Rule 20 compound_stmt -> for_stmt
Rule 21 compound_stmt -> function_decl_stmt
Rule 22 compound_stmt -> class_decl_stmt
Rule 23 expression_stmt -> expression
Rule 24 include_stmt -> INCLUDE ID
Rule 25 assign_stmt -> ID ASSIGN expression
Rule 26 assign_global_stmt -> GLOBAL ID ASSIGN expression
Rule 27 assign_this_stmt -> THIS DOT ID ASSIGN expression
Rule 28 increment_stmt -> expression PLUS PLUS
Rule 29 decrement_stmt -> expression MINUS MINUS
Rule 30 return_stmt -> RETURN elements
Rule 31 break_stmt -> BREAK
Rule 32 if_stmt -> IF expression DO statements elif_blocks
Rule 33 elif_blocks -> elif_block elif_blocks
Rule 34 elif_blocks -> else_block
Rule 35 elif_blocks -> <empty>
Rule 36 elif_block -> ELIF expression DO statements
Rule 37 else_block -> ELSE statements
Rule 38 while_stmt -> WHILE expression DO statements
Rule 39 for_stmt -> FOR EACH ID IN element DO statements
Rule 40 class_decl_stmt -> CLASS ID DO statements
Rule 41 class_instantiation_stmt -> ID ASSIGN NEW ID LPAREN RPAREN

Rule 42 class_setAttribute_stmt -> ID DOT ID ASSIGN expression
Rule 43 class_getAttribute_expr -> ID DOT ID
Rule 44 class_getAttribute_expr -> ID DOT function_call_expr
Rule 45 function_decl_stmt -> FUN ID LPAREN elements RPAREN DO statements
Rule 46 function_call_expr -> ID LPAREN elements RPAREN
Rule 47 lambda_function_expr -> LPAREN LAMBDA elements DO statements
RPAREN LPAREN elements RPAREN
Rule 48 expression -> unary_expr
Rule 49 expression -> binary_expr
Rule 50 unary_expr -> boolean_expr
Rule 51 unary_expr -> not_expr
Rule 52 unary_expr -> number_expr
Rule 53 unary_expr -> id_expr
Rule 54 unary_expr -> string_expr
Rule 55 unary_expr -> list_expr
Rule 56 unary_expr -> dictionary_expr
Rule 57 unary_expr -> parse_text_expr
Rule 58 unary_expr -> group_expr
Rule 59 unary_expr -> uplus_expr
Rule 60 unary_expr -> uminus_expr
Rule 61 unary_expr -> class_getAttribute_expr
Rule 62 unary_expr -> function_call_expr
Rule 63 unary_expr -> lambda_function_expr
Rule 64 binary_expr -> arithmetic_expr
Rule 65 binary_expr -> conditional_expr
Rule 66 boolean_expr -> TRUE
Rule 67 boolean_expr -> TRUELOWERCASE
Rule 68 boolean_expr -> FALSE
Rule 69 boolean_expr -> FALSELOWERCASE
Rule 70 not_expr -> NOT expression
Rule 71 number_expr -> NUMBER
Rule 72 id_expr -> ID
Rule 73 string_expr -> STRING1
Rule 74 string_expr -> STRING2
Rule 75 list_expr -> LSBRACKET elements RSBRACKET
Rule 76 elements -> element COMMA elements
Rule 77 elements -> element
Rule 78 elements -> <empty>
Rule 79 element -> expression
Rule 80 dictionary_expr -> LCBRACKET dictionary_objects RCBRACKET
Rule 81 dictionary_objects -> dictionary_object COMMA dictionary_objects
Rule 82 dictionary_objects -> dictionary_object
Rule 83 dictionary_objects -> <empty>
Rule 84 dictionary_object -> key COLON value
Rule 85 key -> STRING1
Rule 86 key -> STRING2

Rule 87 value -> expression
Rule 88 parse_text_expr -> SELECTOR LPAREN elements RPAREN
Rule 89 group_expr -> LPAREN expression RPAREN
Rule 90 uplus_expr -> PLUS expression
Rule 91 uminus_expr -> MINUS expression
Rule 92 arithmetic_expr -> expression PLUS expression
Rule 93 arithmetic_expr -> expression MINUS expression
Rule 94 arithmetic_expr -> expression MULTIPLY expression
Rule 95 arithmetic_expr -> expression DIVIDE expression
Rule 96 arithmetic_expr -> expression POW expression
Rule 97 arithmetic_expr -> expression MOD expression
Rule 98 conditional_expr -> expression AND expression
Rule 99 conditional_expr -> expression OR expression
Rule 100 conditional_expr -> expression XOR expression
Rule 101 conditional_expr -> expression EQUALS expression
Rule 102 conditional_expr -> expression NOT_EQUALS expression
Rule 103 conditional_expr -> expression GREATER_THAN expression
Rule 104 conditional_expr -> expression LESS_THAN expression
Rule 105 conditional_expr -> expression GREATER_THAN_OR_EQUAL expression
Rule 106 conditional_expr -> expression LESS_THAN_OR_EQUAL expression