

THE CONTEXT FREE GRAMMAR

Grammar	Expression	Legend
StartDebugger	StartParse T_EndOfFile	T_Import : "import"
constant	T_Number T_String	T_Print : "print"
T_ID	[_a-zA-Z][_a-zA-Z0-9]*	T_Pass : "pass"
term	T_ID constant list_index	T_If : "if"
list_index	T_ID T_OB constant T_CB	T_While : "while"
StartParse	T_NL StartParse finalStatements T_NL StartParse finalStatements T_NL	T_Break : "break"
basic_smt	pass_stmt break_stmt import_stmt assign_stmt bool_exp arith_exp print_stmt return_stmt	T_And : "and"
arith_exp	term arith_exp T_PL arith_exp arith_exp T_MN arith_exp arith_exp T_ML arith_exp arith_exp T_DV arith_exp T_OP arith_exp T_CP	T_Or : "or"
ROP	T_GT T_LT T_ELT T_EGT	T_Not : "not"
bool_exp	bool_term bool_term T_Or bool_term arith_exp T_LT arith_exp bool_term T_And bool_term arith_exp T_GT arith_exp arith_exp T_ELT arith_exp arith_exp T_EGT arith_exp arith_exp T_In T_ID	T_elif : "elif"
bool_term	bool_factor arith_exp T_EQ arith_exp T_True T_False	T_Else : "else"
bool_factor	T_Not bool_factor T_OP bool_exp T_CP	T_Def : "def"
import_stmt	T_Import T_ID	T_In : "in"
assign_stmt	T_ID T_EQL arith_exp T_ID T_EQL bool_exp T_ID T_EQL func_call T_ID T_EQL T_OB T_CB	T_Cln : ":"
pass_stmt	T_Pass	T_GT : ">"
break_stmt	T_Break	T_LT : "<"
return_stmt	T_Return	T_EGT : ">="
print_stmt	T_Print T_OP constant T_CP	T_ELT : "<="
finalStatements	basic_stmt cmpd_stmt func_def func_call	T_EQ : "=="
cmpd_stmt	if_stmt while_stmt for_stmt	T_NEQ : "!="
if_stmt	T_If bool_exp T_Cln start_suite T_If bool_exp T_Cln start_suite elif_stmts	T_True : "True"
elif_stmts	T_elif bool_exp T_Cln start_suite elif_stmts else_stmt	T_False : "False"
else_stmt	T_Else T_Cln start_suite	T_PL : "+"
while_stmt	T_While bool_exp T_Cln start_suite	T_MN : "-"
start_suite	basic_stmt T_NL ID finalStatements suite	T_ML : "**"
suite	T_NL ND finalStatements suite T_NL end_suite	T_DV : "/"
end_suite	DD finalStatements DD	T_OP : "("
args	T_ID args_list	T_CP : ")"
args_list	T_Comma T_ID args_list	T_OB : "["
call_list	T_Comma term call_list	T_CB : "]"
call_args	term call_list	T_Comma : ","
func_def	T_Def T_ID T_OP args T_CP T_Cln start_suite	T_EQL : "="
func_call	T_ID T_OP call_args T_CP	T_NL : "\n"
		T_String : String
		T_Number : Number
		ND : Nodent
		ID : Indent
		DD : Dedent
		T_EOF : End Of File
for_stmt	T_for bool_exp T_Cln start_suite	T_for : "for"

