<START_PROGRAM>=<FUNCTION_LIST><MAIN>

<FUNCTION_LIST>=<FUNCTION><FUNCTION_LIST>

<FUNCTION_LIST>=#

<FUNCTION>=<DATATYPE>[FUN][IDENTIFIER][OP_PAR]<PARAM_LIST>[CL_PAR][COL]<STMT_LIST>[ENDFUN][COL]

<PARAM_LIST>=<PARAM><PARAM_LIST>

<PARAM_LIST>=[COM]<PARAM><PARAM_LIST>

<PARAM_LIST>=#

<PARAM>=<DATATYPE>[IDENTIFIER]

<MAIN>=[FUN][IDENTIFIER][OP_PAR][CL_PAR][COL]<STMT_LIST>[ENDFUN][COL]

<STMT_LIST>=<STMT><STMT_LIST>

<STMT_LIST>=#

<STMT>=<ASSIGNMENT>[COL]

<STMT>=<DECL>[COL]

<STMT>=<FUNC_CALL>[COL]

<STMT>=<NEST_BLOCK>[COL]

<STMT>=<RETURN>[COL]

<DECL>=<DATATYPE>[IDENTIFIER]

<ASSIGNMENT>=[IDENTIFIER][ASSIGN_OP]<EXPRESSIONS>

<EXPRESSIONS>=<TERM><EXPRESSIONS*>

<EXPRESSIONS*>=[ADDITION_OP]<TERM><EXPRESSIONS*>

<EXPRESSIONS*>=[SUB_OP]<TERM><EXPRESSIONS*>

<EXPRESSIONS*>=#

<TERM>=<FACTOR><TERM*>

<TERM*>=[MOD_OP]<FACTOR><TERM*>

<TERM*>=#

<FACTOR>=[IDENTIFIER]

<FACTOR>=<VALUE>

<FACTOR>=[OP_PAR]<EXPRESSIONS>[CL_PAR]

<FACTOR>=[SUB_OP]<FACTOR>

<VALUE>=[INT_LIT]

<VALUE>=[FLOAT_LIT]

<VALUE>=[STRING_LIT]

<VALUE>=[TRUE]

<VALUE>=[FALSE]

<DATATYPE>=[INT]

<DATATYPE>=[FLOAT]

<DATATYPE>=[BOOLEAN]

<DATATYPE>=[STR]

<NEST_BLOCK>=[IF][OP_PAR]<BOOL_STMT>[CL_PAR][COL]<STMT_LIST><ELSE_BLOCK>[ENDIF]

<NEST_BLOCK>=[LOOP][OP_PAR]<BOOL_STMT>[CL_PAR][COL]<STMT_LIST>[ENDLOOP]

<ELSE_BLOCK>=[ELSE][COL] <STMT_LIST>

<ELSE_BLOCK>=#

<RETURN>=[RET]<EXPRESSIONS>

<FUNC_CALL>=[PRINT][OP_PAR]<PRINT_STMT>[CL_PAR]

<FUNC_CALL>=[SCAN][OP_PAR][IDENTIFIER][CL_PAR]

<FUNC_CALL>=[FUN][IDENTIFIER][OP_PAR]<ARG_LIST>[CL_PAR]

<ARG_LIST>=<ARG><ARG_LIST>

<ARG_LIST>=[COM]<ARG><ARG_LIST>

<ARG_LIST>=#

<ARG>=[IDENTIFIER]

<ARG>=<VALUE>

<PRINT_STMT>=[IDENTIFIER]

<PRINT_STMT>=<VALUE>

<BOOL_STMT>=<EXPRESSIONS><BOOL_STMT*>

<BOOL_STMT*>=[LT]<EXPRESSIONS>

<BOOL_STMT*>=[GT]<EXPRESSIONS>

<BOOL_STMT*>=[LE]<EXPRESSIONS>

<BOOL_STMT*>=[GE]<EXPRESSIONS>

<BOOL_STMT*>=[EQ]<EXPRESSIONS>