

<<<< USERNAME:tt FILENAME: maslex.h >>>>

```
#ifndef maslex_h
#define maslex_h 1
//-----
// File maslex.h defines class Lexer.
//-----
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// Date:   October, 2015
//-----
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//-----
//-----
// Standard C and C++ include files
//-----
#include <cstdio>
#include <fstream>
#include <iostream>
//-----
//Namespaces
//-----
using namespace std;
//-----
//Function: yylex
//Function yylex is the lexer.  Function yylex returns an integer
//token code as defined above or 0 if end-of-file has been
//reached.
//-----
#ifdef __cplusplus
extern "C"
#endif
int yylex (void);
//-----
//Class Lexer defines the attributes of a Scanner
//-----
class Lexer {
public:
    Lexer(FILE* i);                //Constructor used to redirect the keyboard
                                   //(stdin) to file i.
    int Lex(void);                //Call the scanner yylex and return the code
};
#endif
```

<<<< USERNAME:tt FILENAME: mastkn.h >>>>

/* A Bison parser, made by GNU Bison 3.0.2. */

/* Bison interface for Yacc-like parsers in C

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/* As a special exception, you may create a larger work that contains part or all of the Bison parser skeleton and distribute that work under terms of your choice, so long as that work isn't itself a parser generator using the skeleton or a modified version thereof as a parser skeleton. Alternatively, if you modify or redistribute the parser skeleton itself, you may (at your option) remove this special exception, which will cause the skeleton and the resulting Bison output files to be licensed under the GNU General Public License without this special exception.

This special exception was added by the Free Software Foundation in version 2.2 of Bison. */

#ifndef YY_YY_Y_TAB_H_INCLUDED

define YY_YY_Y_TAB_H_INCLUDED

/* Debug traces. */

#ifndef YYDEBUG

define YYDEBUG 0

#endif

#if YYDEBUG

extern int yydebug;

#endif

/* Token type. */

#ifndef YYTOKENTYPE

define YYTOKENTYPE

enum yytokentype

{

 TOKEN_BEGIN = 258,

 COMMA = 259,

 RESERVE_WORDS = 260,

 JNS = 261,

 LOAD = 262,

 STORE = 263,

 ADD = 264,

 SUBT = 265,

 INPUT = 266,

 OUTPUT = 267,

 HALT = 268,

 SKIPCOND = 269,

 JUMP = 270,

 CLEAR = 271,

 ADDI = 272,

 JUMPI = 273,

 LOADI = 274,

 STORET = 275.

<<<< USERNAME:tt FILENAME: mastkn.h >>>>

```
    HEX = 277,
    ORG = 278,
    END = 279,
    REGULAR_EXPRESSIONS = 280,
    IDENTIFIER = 281,
    HEXLIT = 282,
    TOKEN_END = 283
};
#endif
/* Tokens. */
#define TOKEN_BEGIN 258
#define COMMA 259
#define RESERVE_WORDS 260
#define JNS 261
#define LOAD 262
#define STORE 263
#define ADD 264
#define SUBT 265
#define INPUT 266
#define OUTPUT 267
#define HALT 268
#define SKIPCOND 269
#define JUMP 270
#define CLEAR 271
#define ADDI 272
#define JUMPI 273
#define LOADI 274
#define STOREI 275
#define DEC 276
#define HEX 277
#define ORG 278
#define END 279
#define REGULAR_EXPRESSIONS 280
#define IDENTIFIER 281
#define HEXLIT 282
#define TOKEN_END 283

/* Value type. */
#if ! defined YYSTYPE && ! defined YYSTYPE_IS_DECLARED
typedef union YYSTYPE YYSTYPE;
union YYSTYPE
{
#line 57 "maspar.y" /* yacc.c:1909 */

    string* token;
    unsigned short integer;

#line 115 "y.tab.h" /* yacc.c:1909 */
};
# define YYSTYPE_IS_TRIVIAL 1
# define YYSTYPE_IS_DECLARED 1
#endif

extern YYSTYPE yylval;

int yyparse (void);

#endif /* !YY_Y_Y_TAB_H_INCLUDED */
```