

<<<< USERNAME:tt FILENAME: mas.cpp >>>>

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//-----
//File mas.cpp contains functions that process command line arguments
//and interface with the lex-generated scanner
//-----
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//-----
//C++ Standard include files
//-----
#include <cstdlib>
#include <cstring>
#include <iostream>
#include <fstream>
#include <iomanip>
#include <cstdio>
#include <string>
using namespace std;
//-----
//Application include files
//-----
#include "maslex.h"
#include "maspar.h"
#include "masfiles.h"
//-----
//Externals
//-----
//Globals
//-----
Files F;
//-----
//CommandLineException
//-----
struct CommandLineException {
    CommandLineException(int m,int a)
    {   cout << endl;
        cout << "Too many arguments on the command line.";
        cout << endl;
        cout << m << " argument(s) are permitted on the command line.";
        cout << endl;
        cout << a << " argument(s) appeared on the command line.";
        cout << endl;
    }
};
//-----
//-----
void AssemblerMgr(FILE* i)
{   Parser P(i);
    int rc=P.Parse();
}
//-----
//Function main processes command line arguments
//-----
int main(int argc,char* argv[])
{   try {
        char ifn[255];
        switch (argc) {
            case 1:                //Prompt for the input file name
                cout << "Enter the input file name. ";
                cin >> ifn;
                break;
```

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        strcpy(ifn,argv[1]);
        break;
    default:
        throw CommandLineException(1,argc-1);
        break;
}
F.Open(ifn);
AssemblerMgr(F.i);
F.Close();
} catch (...) {
    cout << endl;
    cout << "Program terminated!";
    cout << endl;
    cout << "I won't be back!";
    cout << endl;
    exit(EXIT_FAILURE);
}
return 0;
}
```