

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

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//-----
//File masutilities.cpp implements utilities needed by the MARIE Assembler
//-----
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//-----
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//-----
//C++ Standard include files
//-----
#include <iostream>
#include <fstream>
#include <iomanip>
#include <string>
#include <cstring>
#include <cstdlib>
using namespace std;
//-----
//Application include files
//-----
#include "masutilities.h"
//-----
//-----
int hextoint(string s)          //Converts a string containing only hexadecimal digits
{
    int rv=0;
    for (int a=0;a<s.length();a++) {
        rv=rv*16;
        if ('0'<= s[a] && s[a] <= '9') rv=rv+s[a]-'0';
        if ('a'<= s[a] && s[a] <= 'f') rv=rv+10+s[a]-'a';
    }
    return rv;
}
int dectoint(string s)          //Converts a string containing only decimal digits
{
    int rv=0;
    for (int a=0;a<s.length();a++) {
        rv=rv*10;
        if ('0'<= s[a] && s[a] <= '9') rv=rv+s[a]-'0';
    }
    return rv;
}
}
```