

MTRename

MTRename is a Windows based console program that I designed for renumbering BASIC programs written for the TRS-80 Model 100, NEC 8201 and perhaps a few other variants.

I plan on using the CloudT TRS-80 Model 100 emulator for testing and updating various old games I've come across or developed before testing them on the actual hardware. The programs would be developed on a text editor and tested on the emulator. Having a Windows based renumber program designed for TRS-80 Model 100 BASIC programs would be quite useful.

I did a half-hearted search for a renumber program and did not find anything that had all the features I desired. I did not think generating a renumber program would be all that difficult but there were several small issues to overcome which I won't describe here. After overcoming these issues and learning how trivial they were, it was embarrassing there were issues at all.

I tried my latest version (1.2) on several various BASIC programs I've written along with a few programs that others have written. They all renumber correctly to an executable program.

Besides renumbering a program, MTRename will also convert everything to upper case except if it is: 1. between quotes; 2. in a DATA statement; or 3. part of a comment (remark).

I also provided the option of removing unnecessary spaces. If this is selected, spaces will be removed everywhere except again between quotes, in a DATA statement or part of a comment (remark).

The lines in the input file do not need to be in order. This is very handy if you want to move subroutines around. Simply use your text editor to cut and paste the subroutine and then renumber it. References to the new location will be updated.

And finally, you do not have to have line numbers on your lines unless they are being referenced in another line by the usual line number referencing statements (THEN, ELSE, GOTO, GOSUB, RESTORE, etc.). This is handy when writing new code.

The program was written in C. I compiled it with CodeBlocks and Pelles C. The .exe on the GitHub was compiled with Pelles C. It should compile on other compilers but I haven't tested them. Even though the .exe is safe, I'd recommend downloading the source and compiling it yourself. Virus checkers get very nervous these days about downloading a .exe.

