- If you want to use normal Windows command prompt to run stuff, these two scripts are you friend (you may ignore them otherwise)
 - Running mingw-setup.bat sets up normal command prompt for command-line
- Azman @UniMAP http://azman.unimap.edu.my/dokuwiki/

Revisiting MinGW (for sdcc build)

I want to build sdcc for NMK322 so that my students can use EXACTLY what I have. So, here we go again:

Installing MinGW:

- Get the 'package manager' from here
 - $\circ\,$ version 0.6.3 (beta) at the moment
 - I prefer the standalone binary (no setup)
- Pick a location and extract the zip file
 - o I choose C:\Users\Public\Tool
 - change the folder name so that we have C:\Users\Public\Tool\mingw\bin\mingwget.exe
- Prepare to use mingw-get binary
 - o cd C:\Users\Public\Tool\mingw\var\lib\mingw-get\data\
 - copy defaults.xml profile.xml
- Open a command prompt and update catalogue
 - o cd C:\Users\Public\Tool\mingw\bin\
 - \circ mingw-get.exe update
- Get stuffs (compiler with Unix-like environment) without using GUI
 - \circ mingw-get.exe install gcc g++ gmp mpfr mpc msys msys-wget-bin
- To get GUI interface install mingw-get (apparently, we are NOT running mingw-get!
 - o mingw-get.exe install mingw-get
 - $\circ\,$ now, a window will come up when you run <code>mingw-get</code>

Note20220808 Current software versions {gcc:9.2.0,binutils:2.32}

Some useful things to do:

To have git in MinGW shell, install Git-for-Windows at C:\Users\Public\Tool\Git

 edit C:\Users\Public\Tool\mingw\msys\1.0\etc\profile and insert

MY1GITPATH="/c/users/public/tool/git/bin"
[-d "\$MY1GITPATH"] && PATH="\$MY1GITPATH:\$PATH"

before the block containing an export PATH line(s)

- Get helper script(s) I wrote that for personal use
 - $\,\circ\,$ copy everything (except LICENSE, README.md and msys2.vbs) to
 - C:\Users\Public\Tool\mingw
 - $\circ\,$ allows environment to be used on shared computer (no need for admin account)
- Running msys.vbs (*Hint*: double-click) will install (or remove if already installed) a pop-up context menu entry (MinGW Shell) whenever you right-click on a folder in Windows Explorer
 - edit C:\Users\Public\Tool\mingw\msys\1.0\etc\profile and comment (place '#' at the beginning of) the last line with cd \$HOME command

compilation

- place mingw-term.bat script (form tools folder) in any folder when executed, it will open a command prompt (with MinGW path properly configured) in that folder
- Running mingw-clear.bat cleans up settings created by mingw-setup.bat

computing, tech

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