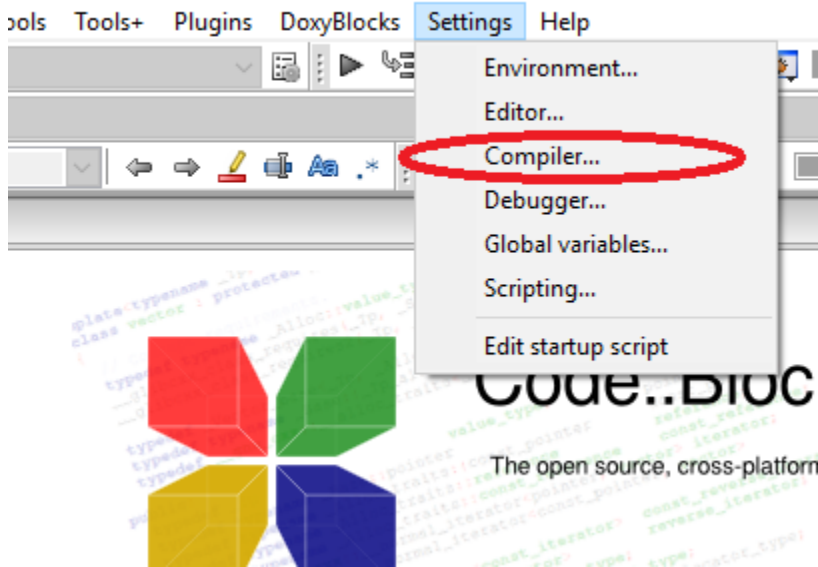


The default GCC toolchain that comes with CodeBlocks for windows doesn't support OpenMP, so we have to change the toolchain with one that supports OpenMP.

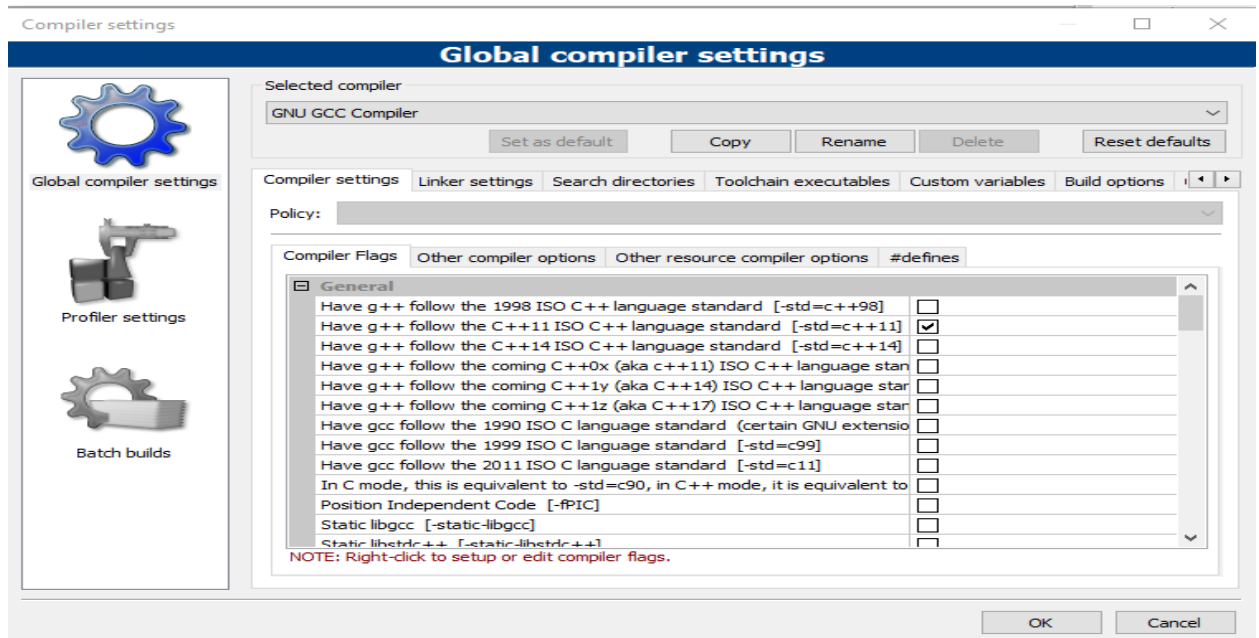
The following steps will describe how to configure CodeBlocks with the OpenMP enabled MinGW toolchain.

- Download the [TDM-GCC](#) zip and extract it.
- keep the location of extracted files because we will need that shortly.
- Start CodeBlocks, and go to "compiler..." options under settings

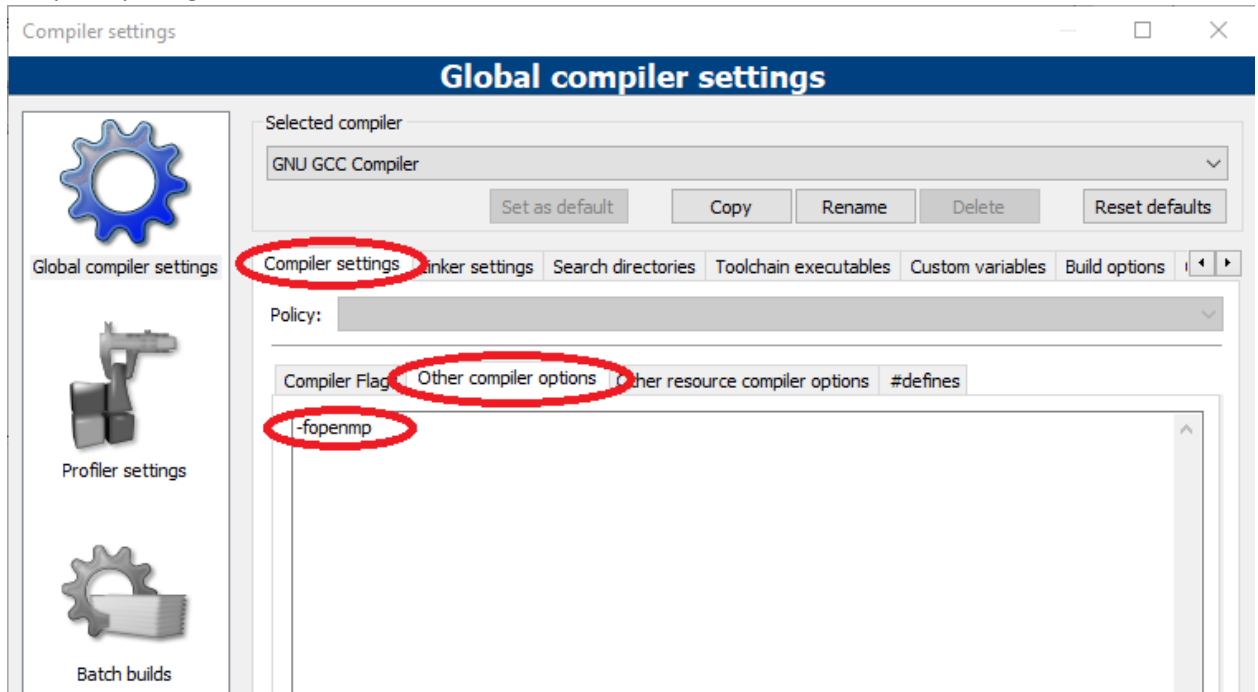


Settings -> Compiler...

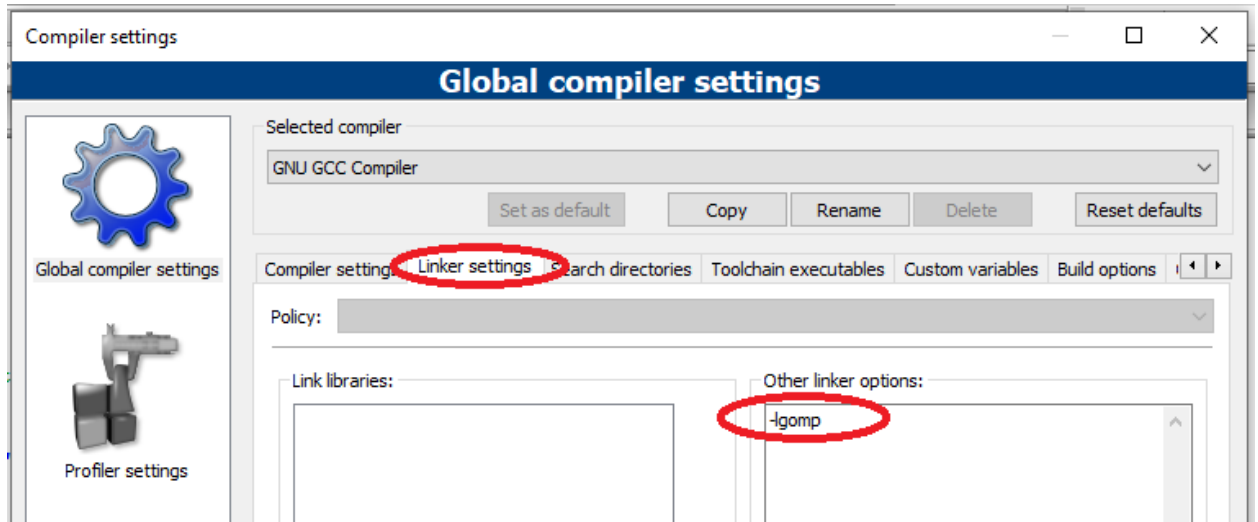
- A window like the following will appear



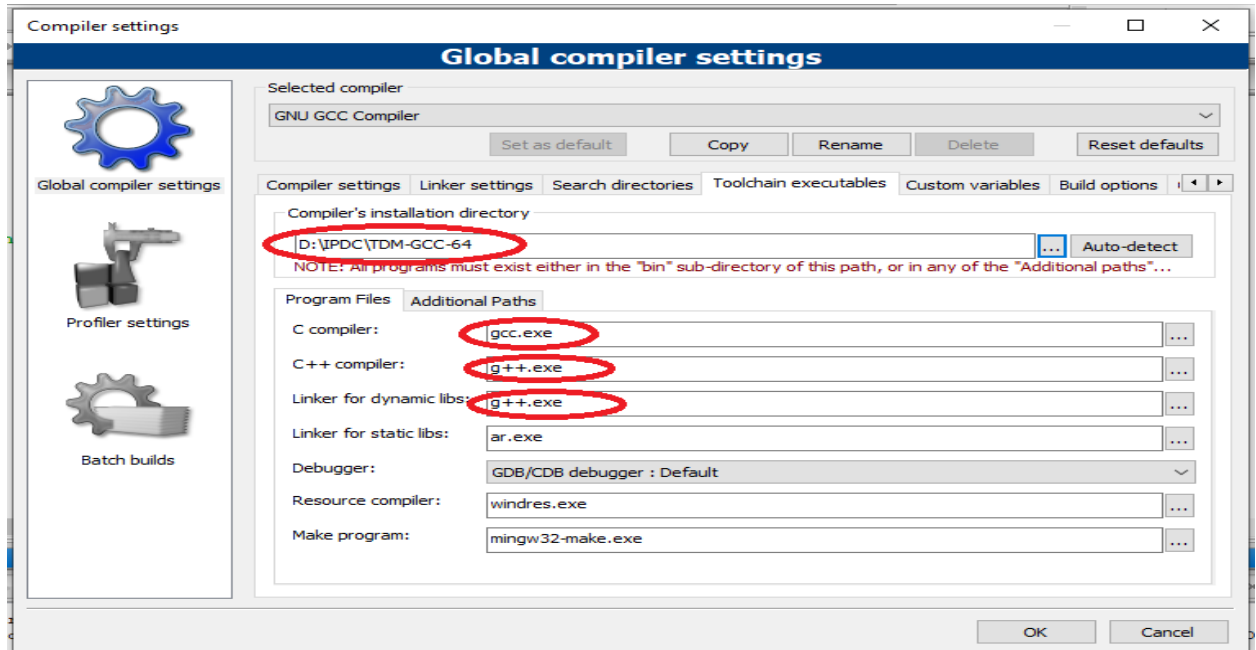
- Under “Compiler settings”, select “Other Compiler Options”. On the textbox bellow add “-fopenmp” flag



- Select “Linker settings” tab, add “-lgomp” flag on the “other linker options” box



- Finally select “toolchain executable” tab. Change the red circled fields as described:
 Compiler’s installation directory: “<path to TDM-GCC-64>”
 C compiler: gcc.exe
 C++ compiler: g++.exe
 Linker for dynamic libs: g++.exe



Press “OK” and OpenMP should work with CodeBlocks now.

Note: in case there are existing project, after configuring OpenMP with CodeBlocks, clean and rebuild the existing project.

Test:

- Download [openmp_confirm.cpp](#)
- Open it in CodeBlocks
- Build and run (F9 is a shortcut for this)
- You should see:
 - hi from thread 0
 - hi from thread 1