Using CodeBlocks

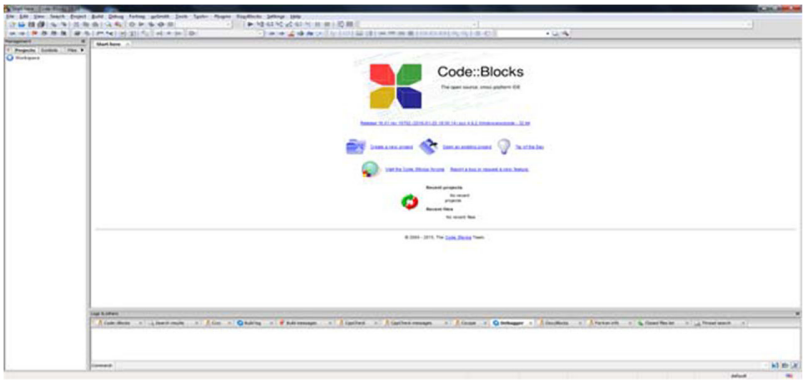
Introduction to Codeblocks for lab sessions

CodeBlocks version in lab: 16.01

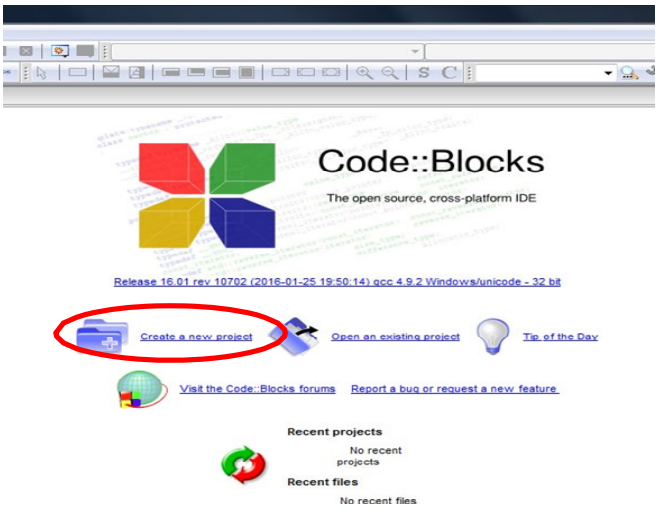
CodeBlocks current version: 20.03 (Requires doing some setting for debugger)

Basic creation of new project for coding

1. Launch CodeBlocks

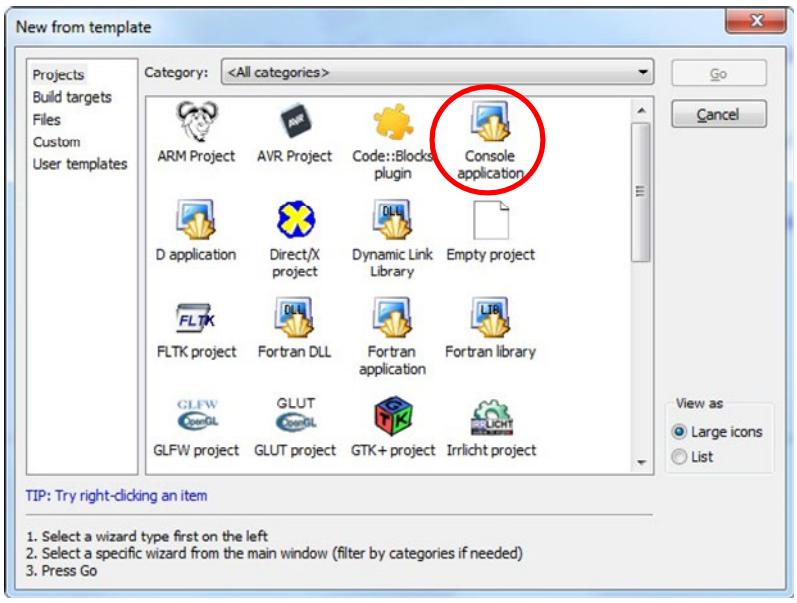


2. Create a new project
   - Click on the **Create a new project** on the **Start here** Tab; or



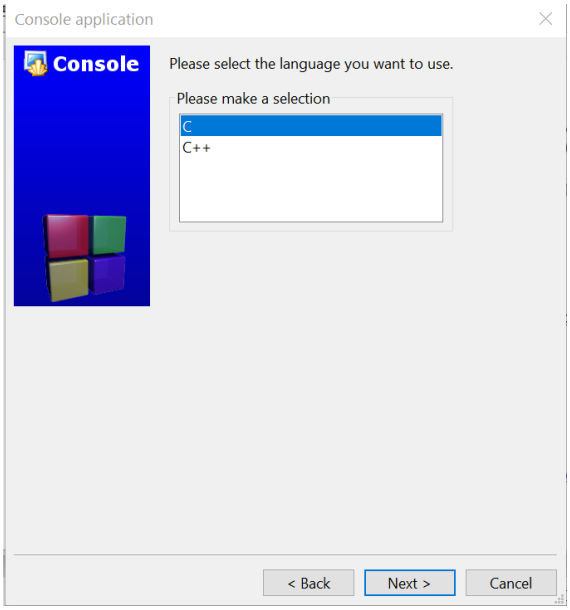
- Go to **File->New->Project…**

3. Select **Console Application**

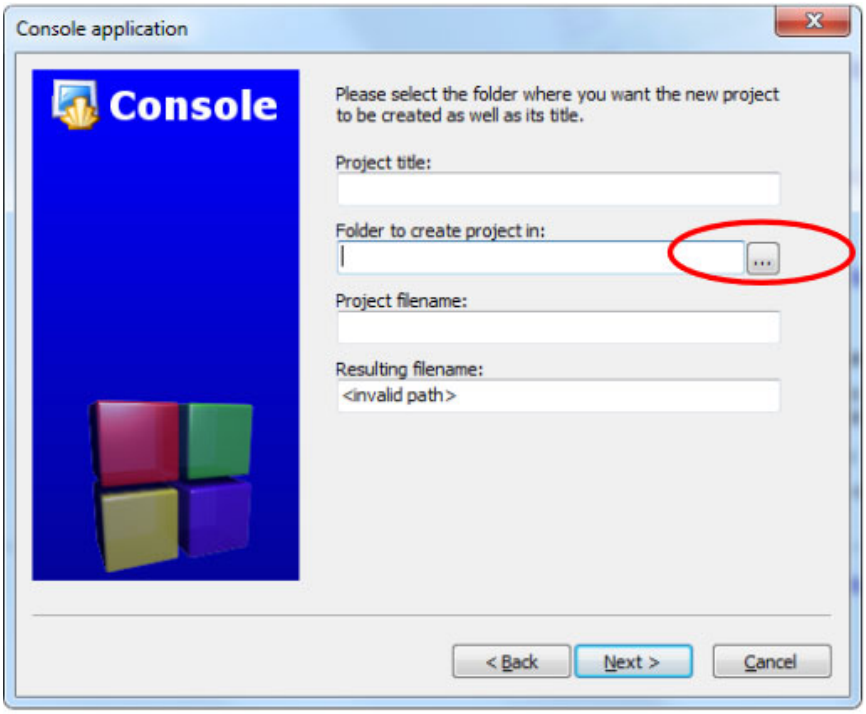


4. Click **Next**

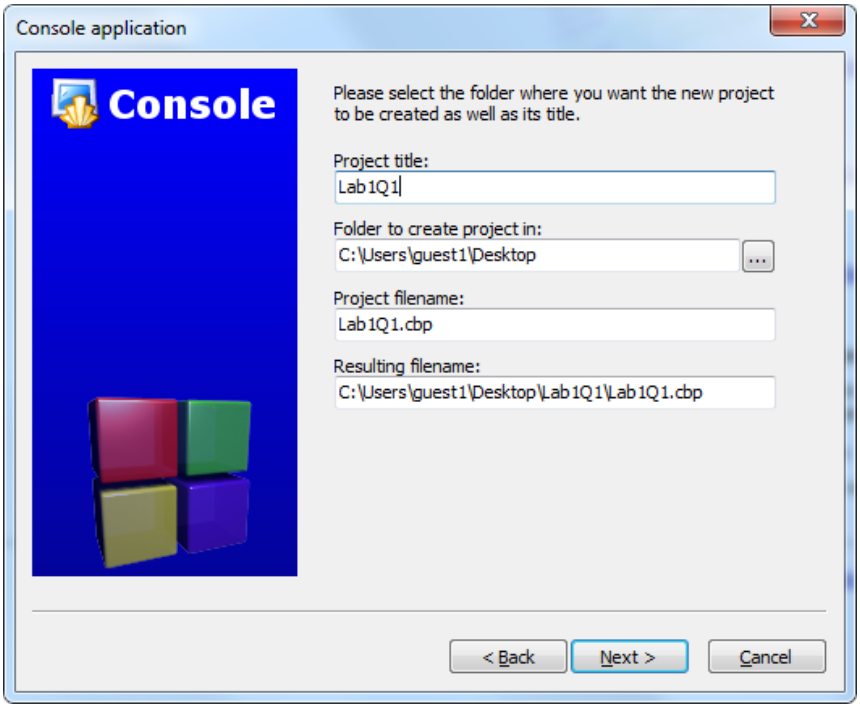
5. Select Cas the language



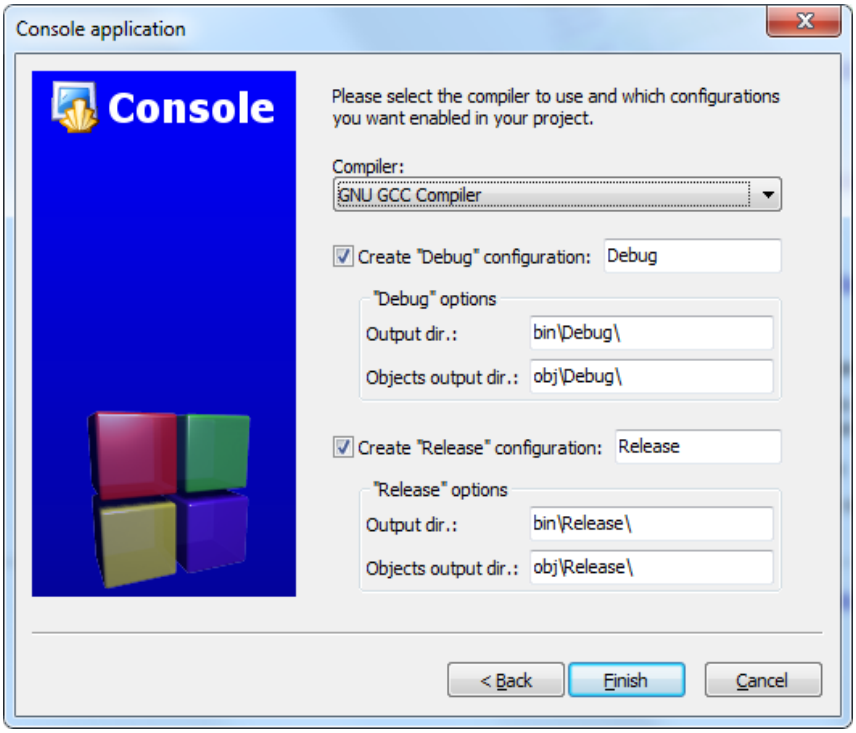
6. Set the path for your new project to the desktop **at Folder to create project in**
Do remember to copy to your projects to your thumb drive or network drive for backup.



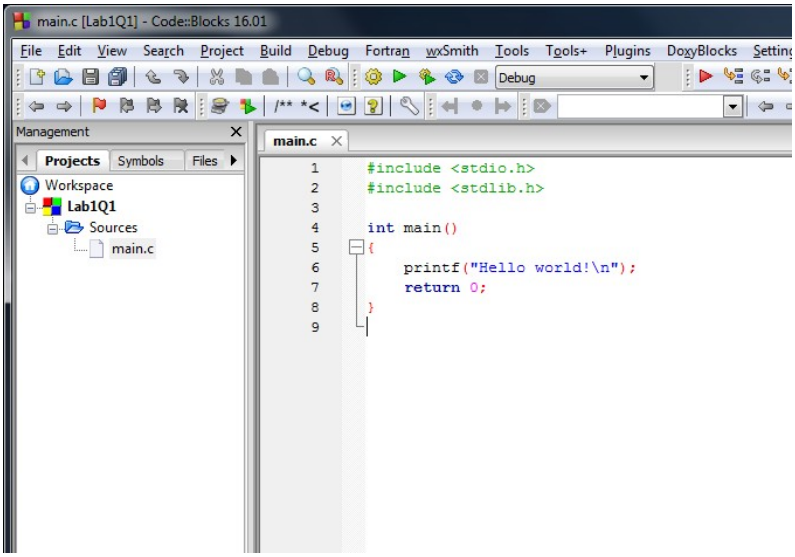
7. Input **Project title** and click **Next**



8. Click **Finish**



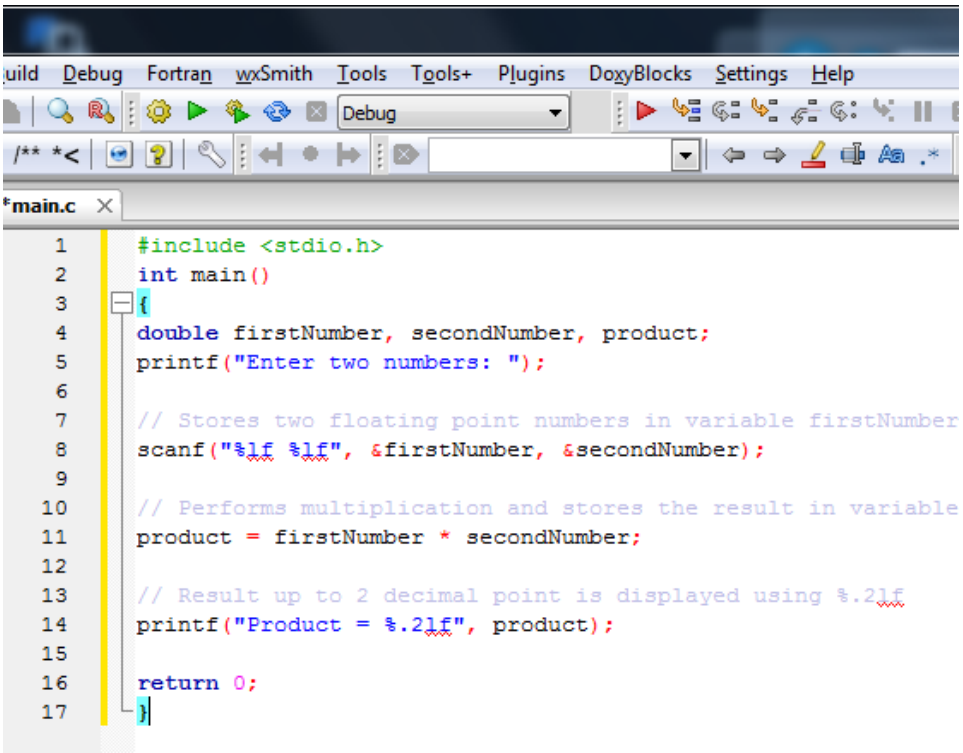
9. At **Projects Tab->Workspace**, your project will be generated with a default **main.c** file



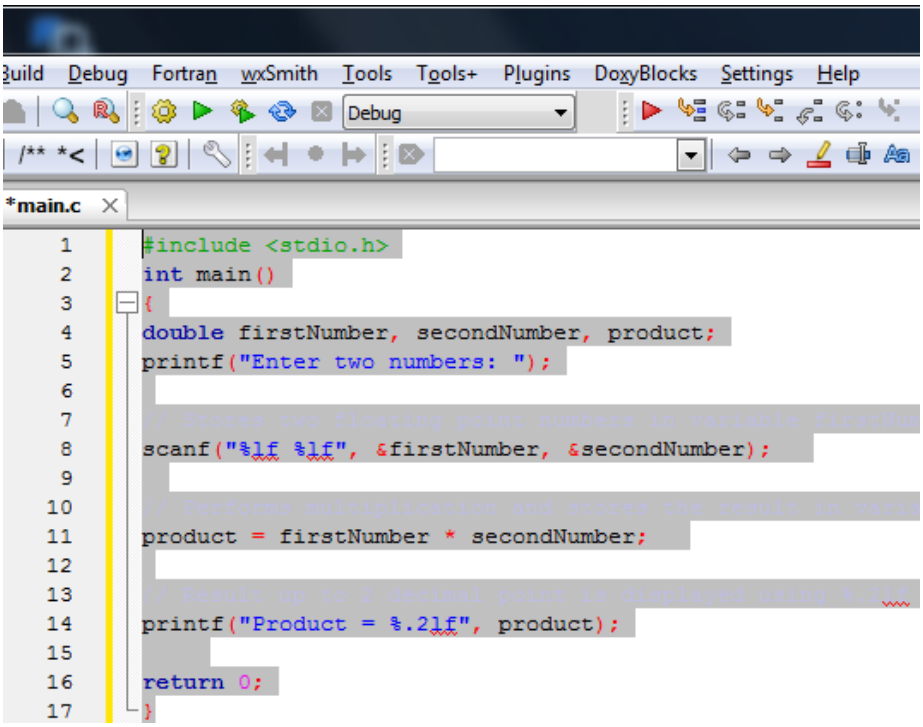
10. You may begin your coding on the main.c file

Auto Styling of Code

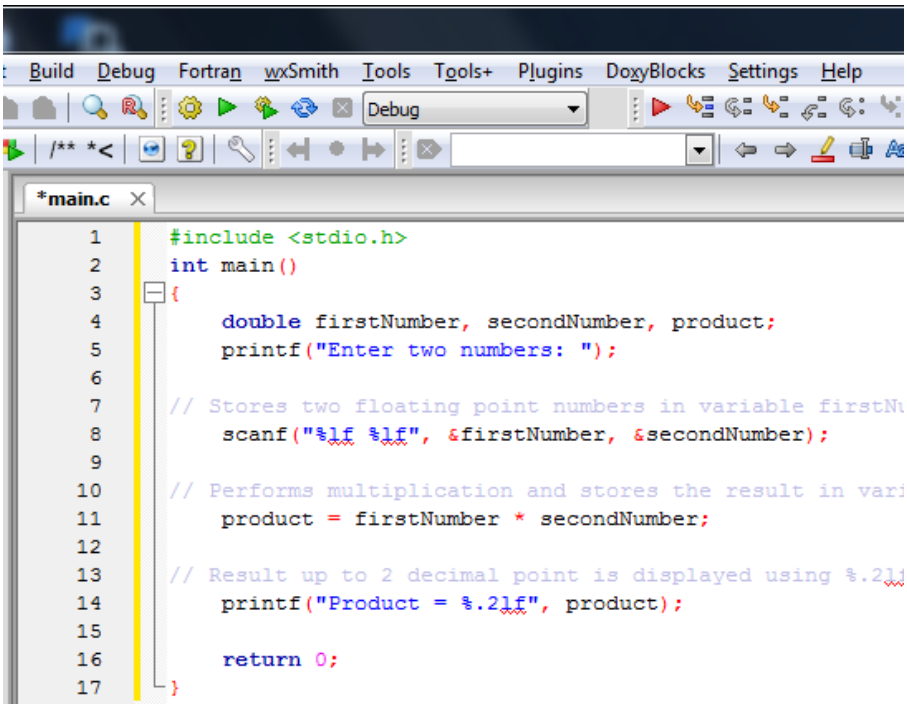
1. All the code in the column



2. Press **Ctrl + a** to hightlight all the code, **right Click** on the mouse and select **Format Use AStyle**

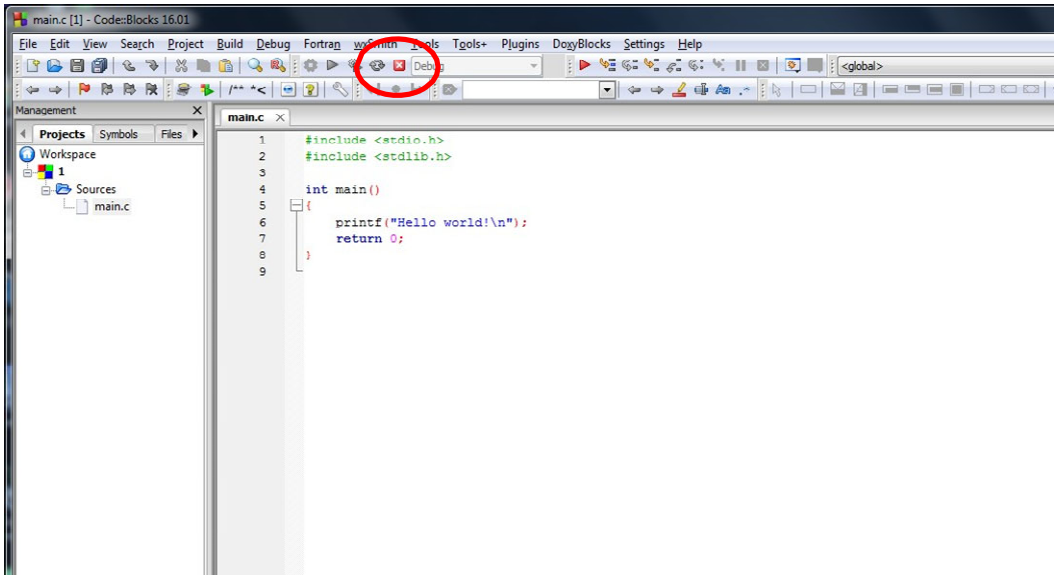


3. After formatting



CodeBlocks' Common Errors

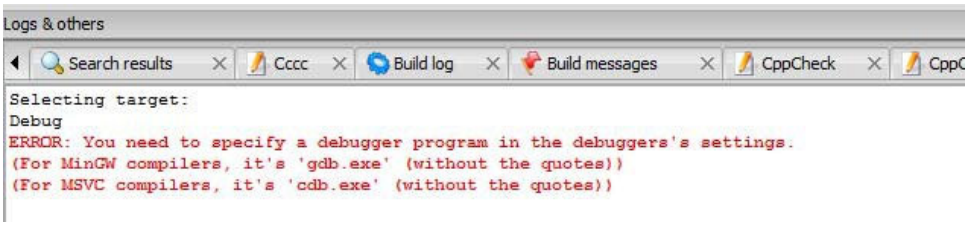
1. Codeblocks cannot build after pressing abort button on the toolbar
   - Save your project restart Codeblock
   - Do not use the abort button, close your console application directly to end



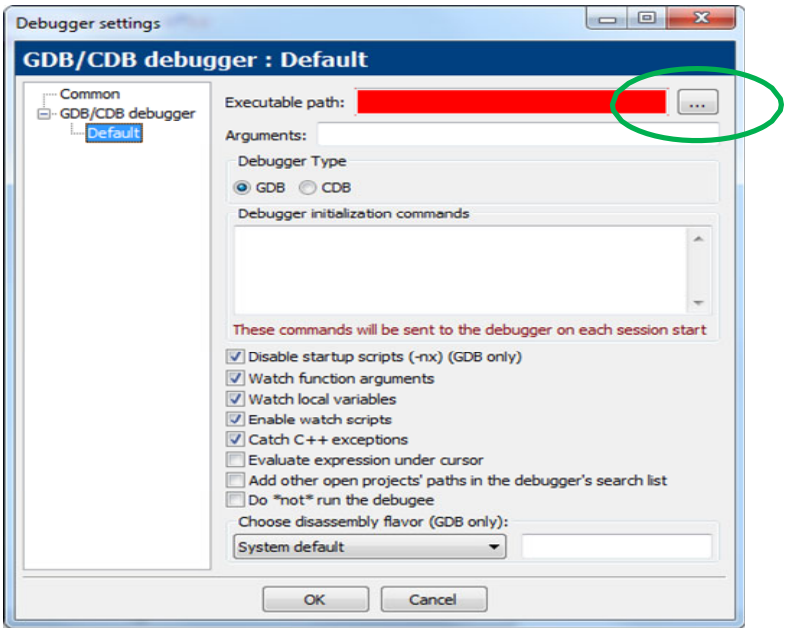
2. No permission to overwrite the ".exe" file
   - Go to the **Task Manager->Applications** (Windows 10: **Task Manager->Details**)
   - At **Tasks** end the project's ".exe"

3. Cannot run debugger
   To use the debugger, you must create a project for your code.

4. Debugger not found, common in version **17.12**

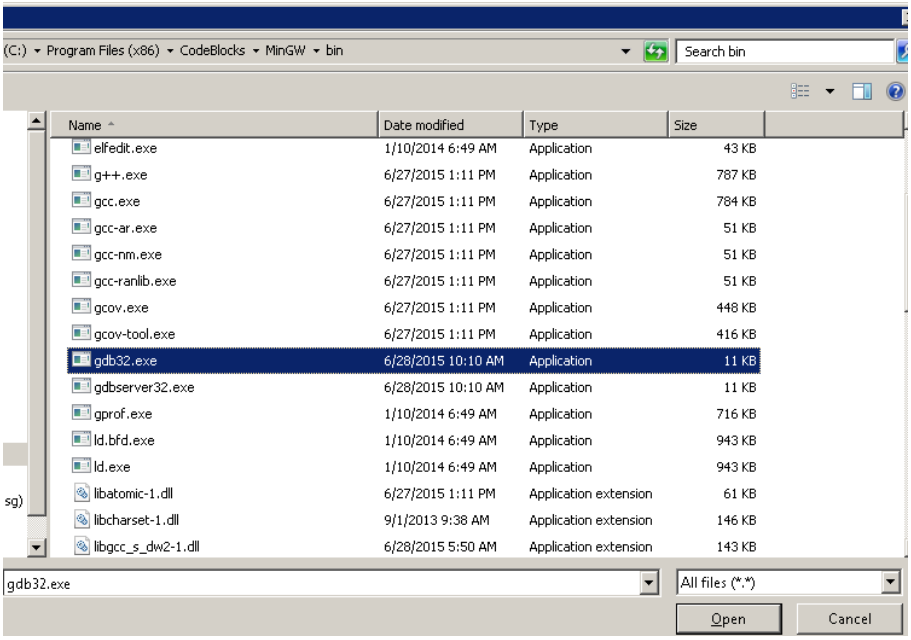


- Go to Settings->Debugger…->GDB/CDB debugger->Default->Executable path

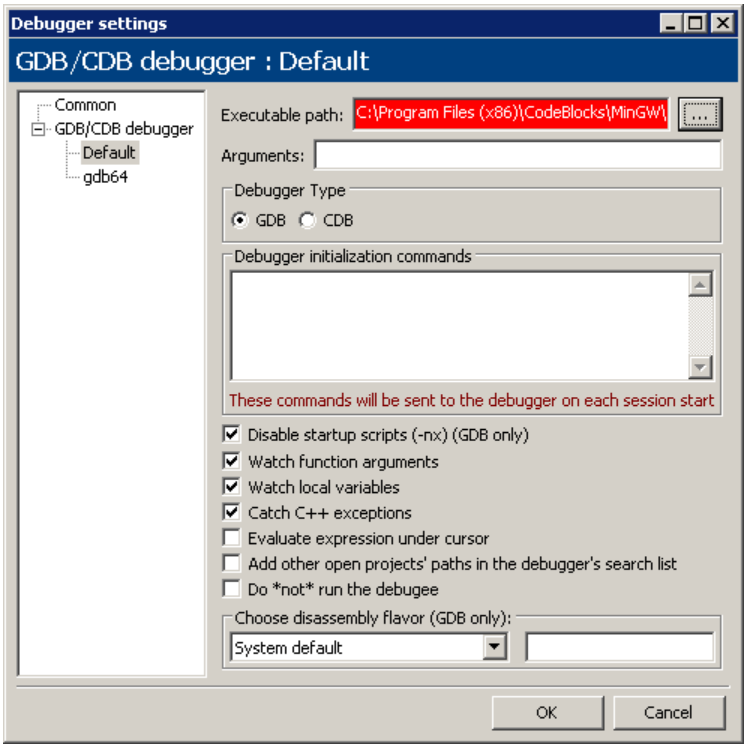


- Set the path for debugger pointing where Codeblocks is beinginstalled.
  For Example:

  C:\Program Files (x86)\CodeBlocks\MinGW\bin
- Select the file **gdb** or **gdb32**
- Click **Open**



- Click **OK**



References

1. http://www.codeblocks.org/downloads