
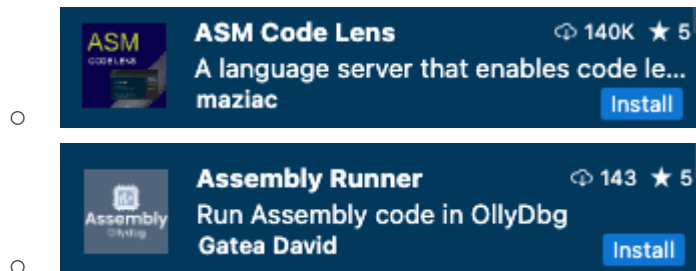



VS Code Assembly

Initial Setup:

1. Download the [assembly tools](#) and unzip them.
2. Download and install [VS Code](#) (follow the basic installation, no specific configuration is required here)
3. Once you open VS Code, click on the 'Extensions' button icon  from the menu located on the left side of the editor.
4. In the search bar type and install the following two extensions: 'ASM Code Lens' and 'Assembly Runner'





5. Now open any .asm file and press **F5** or the green play button  located on the top right side of the editor.
6. In the input pop-up paste the location of the ASM tools folder (where the ollydbg and nasm folders are located on your PC)
7. Now you can run and debug .asm files.

While editing a .asm file:

ASM Code Template	F7	Fills in the editor a minimal ASM program (if the editor is not an empty file, a confirmation pop-up is displayed)
Debug Program	F5	Debugs the current program, using Olly Debugger.
Run program	F6	Runs the current program.


Notes:

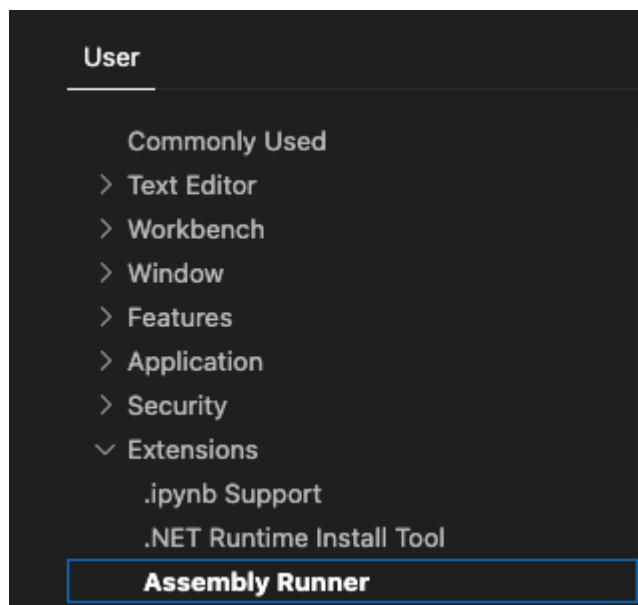
1. If you need to stop the program click on the red stop  icon located in the top right section of the editor. This will automatically stop the Olly Debugger and the executable terminal, making the stopping process much faster.
2. If you made changes to the .asm file while debugging closing the terminal and the current Olly Debugger session is not

needed, just press the play button  (or F5) to start a new Olly debugger session.

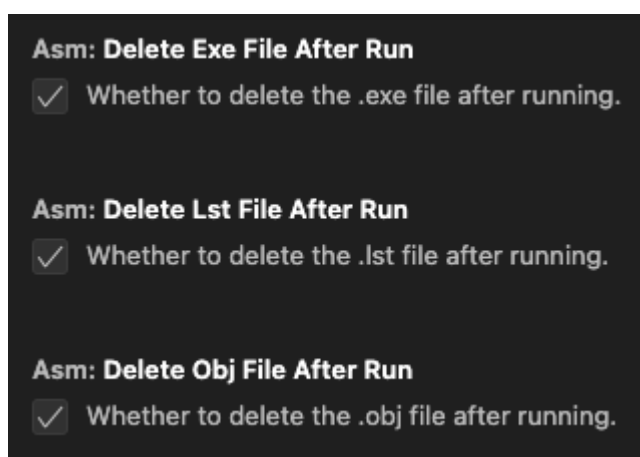
3. If there is an error compiling the program the error is displayed on the bottom right side of the editor and the line where the error raised is underlined in red.
4. By default, the executable terminal is not displayed while debugging.
5. By default, the .obj, .exe, and .lst files are deleted after the debugging session.

Extension settings (optional):

1. Click on the gear icon  located at the bottom left side of the editor then click on settings.
2. From the 'Extensions' dropdown select 'Assembly Runner'. There you can change how the extension manages the files and the execution processes.



3. Uncheck those if you want to keep the specific files after running the program.



4. Check the next box if you want to display the terminal during debugging.

Asm: Show Terminal In Debug Mode

☐ Whether to show the Terminal in debug mode.