Windows/WSL

Installing VS Code:

- Install the appropriate version of Visual Studio Code here. Make sure to download the Windows version **not** the Linux Version.
  - Note: When prompted to Select Additional Tasks during installation, be sure to check the Add to PATH option so you can easily open a folder in WSL using the code command.
- Once VS code is installed, open a WSL terminal window, navigate to a folder you code in using cd and type: '`code .`' This should open VS code.

C++ Compiler

1. Open a WSL Terminal window.
2. From the command line, run:
   ```
   sudo apt-get update
   ```
3. Then, run:
   ```
   sudo apt-get install build-essential gdb
   ```
4. To verify that the install succeeded, run:
   `whereis g++.` This should print a filename.
5. If a filename is not printed in step 4, rerun the update command

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MacOS

Installing VS Code:

- Follow the instructions here.
- You only need to do part 1 titled ‘Install VS Code on macOS’

C++ Compiler

Most Macs come with a C++ compiler pre-installed.

1. To check, open your terminal and run the following:

   ```
   g++ -version
   ```

   You should get an output that looks something like this:

   ```
   Apple clang version 17.0.0 (clang-1700.0.13.5)
   Target: arm64-apple-darwin24.5.0
   Thread model: posix
   InstalledDir: /Library/Developer/CommandLineTools/usr/bin
   ```

2. If you do not, try the following. You this should also produce an output similar to above:

   ```
   clang++ -version
   ```

3. If neither produce the expected output, run the following:

   ```
   xcode-select --install
   ```

4. After the installation finishes, close your terminal, reopen it and try 1 and 2 again.

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