C++ development environment on a Mac

The primary method involves installing Apple's Xcode Command Line Tools, which include the Clang compiler.

1. Install Xcode Command Line Tools:
   - Open the Terminal application, found in /Applications/Utilities.
   - Execute the command: **xcode-select --install**
   A software update window will appear. Click "Install" and follow the prompts to agree to the license and complete the installation. This will install the Clang C++ compiler and other essential development tools.

2. Choose an IDE or Text Editor:

   Xcode:
   Apple's integrated development environment (IDE) provides comprehensive support for C++ development and integrates well with the Clang compiler. You can download it from the Mac App Store.

   Visual Studio Code:
   A popular and versatile code editor with excellent C++ support through extensions like the C/C++ extension by Microsoft. You will need to install a compiler (like Clang or GCC) separately as described above.

   Other Text Editors:
   Editors like Sublime Text or Atom can also be used, but you will need to compile your C++ code manually using the terminal.

3. Verify Installation:

   - After installing the Command Line Tools, you can verify the Clang compiler by opening the Terminal and typing: **clang++ --version**
   This should display information about the installed Clang version.

   - If you installed GCC, you can verify it with code: **g++ --version**

Then follow the instructions of the video
https://www.youtube.com/watch?v=TtKMkP2-xIw