https://www.youtube.com/watch?v=DMWD7wfhgNY

https://code.visualstudio.com/docs/cpp/config-mingw

* Install vs code first
* Press the direct download link – msys64
* Open the msys software from searchbar
* pacman -S --needed base-devel mingw-w64-ucrt-x86\_64-toolchain
* copy and paste into that terminal
* enter and y
* just copy and paste this to environment variable path edit opt C:\msys64\ucrt64\bin
* check in command prompt:
* gcc --version
* g++ --version
* gdb –version
* then finally install the extension pack inside of the vs code

now i want to add shortcut to my ide so that when i type only cpp it will appear my structure to get started my code in vs code. guide me line by line

Let's set up a template snippet in VS Code that will allow you to quickly insert your C++ code structure when you type "cpp". Follow these steps:

1. **Open VS Code**.
2. **Access User Snippets**:
   * Press Ctrl + Shift + P (or Cmd + Shift + P on Mac) to open the Command Palette.
   * Type Preferences: Configure User Snippets and select it.
3. **Select or Create a Snippet File**:
   * You will see a list of available languages. Type cpp and select cpp.json to create a snippet file for C++.
4. **Define Your Snippet**:
   * In the cpp.json file, add the following snippet definition:

Cpp. json

1. **Save the Snippet**:
   * Save the cpp.json file.
2. **Test Your Snippet**:
   * Open a new C++ file in VS Code.
   * Type cpp and press Tab to insert your template.

That's it! Now, every time you type cpp and hit Tab, your C++ starter template will be inserted into your file, allowing you to get started quickly.

{

"C++ Basic Template": {

"prefix": "cppshort",

"body": [

"#include <iostream>",

"#include <vector>",

"#include <algorithm>",

"#include <string>",

"#include <map>",

"#include <set>",

"#include <unordered\_map>",

"#include <unordered\_set>",

"#include <queue>",

"#include <stack>",

"#include <cmath>",

"#include <limits>",

"#include <numeric>",

"#include <utility>",

"#include <sstream>",

"",

"using namespace std;",

"",

"int main() {",

" ",

" return 0;",

"}"

],

"description": "Basic C++ template with essential headers"

}

}