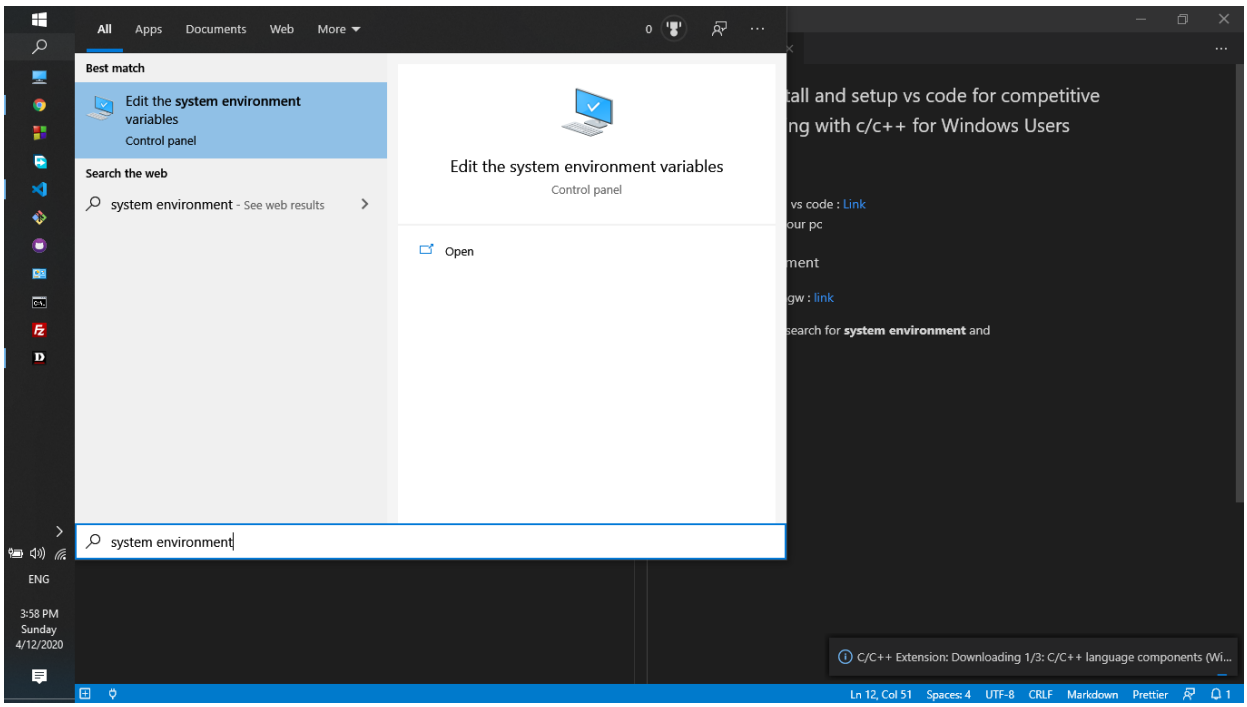
How to install and setup vs code for competitive programming with c/c++ for Windows Users

install vs code

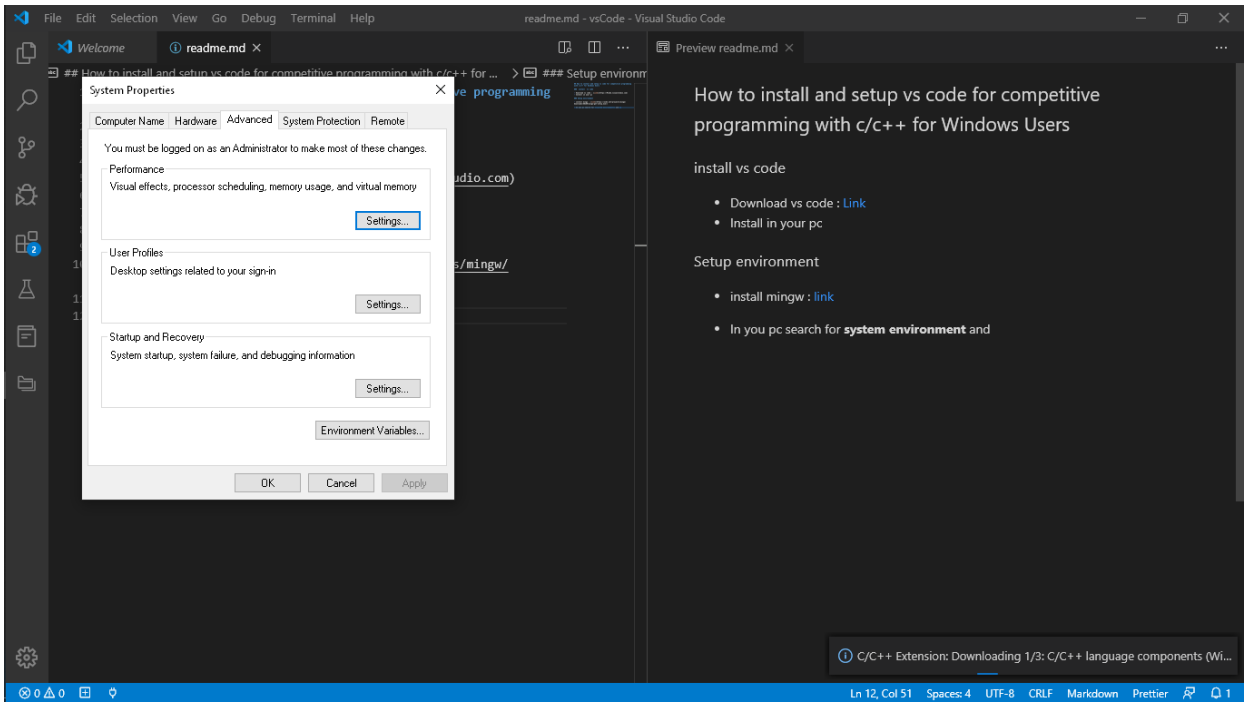
- Download vs code : Link
- Install in your pc

Setup environment for c/c++

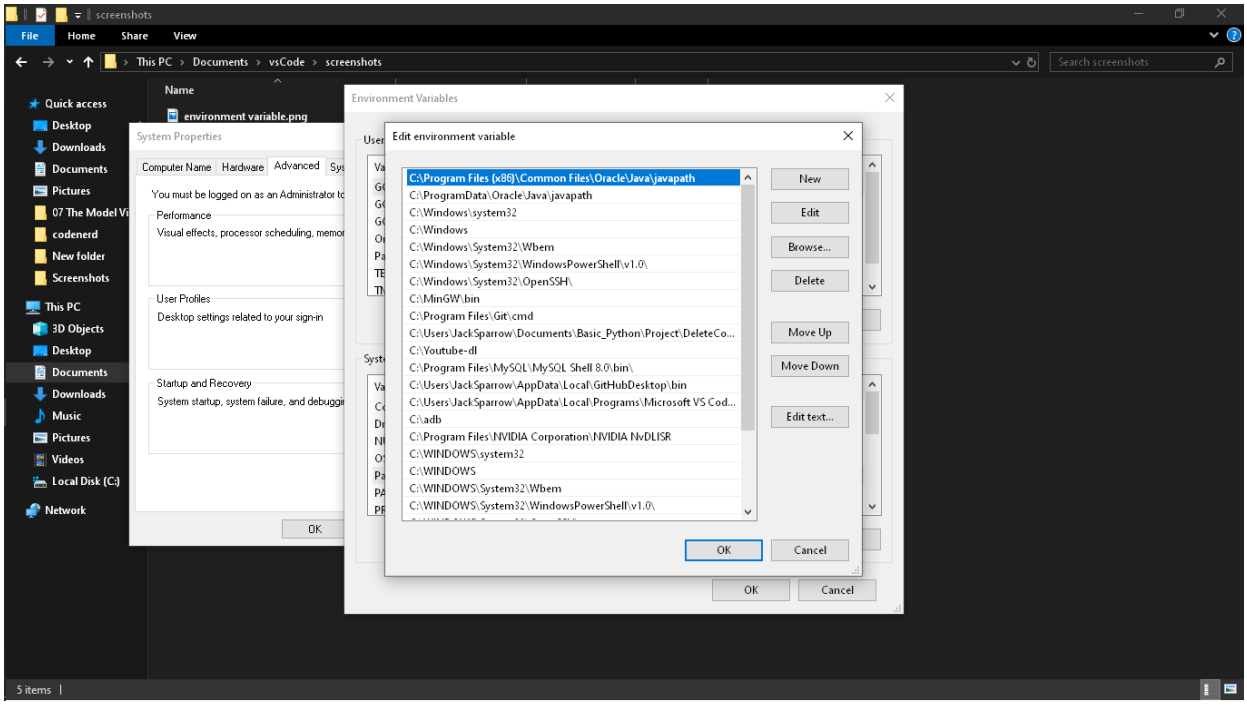
- install mingw : link
- In you pc search for **system environment**



- go to **Environment variables**



- Go to **system varibale** and **click on path**



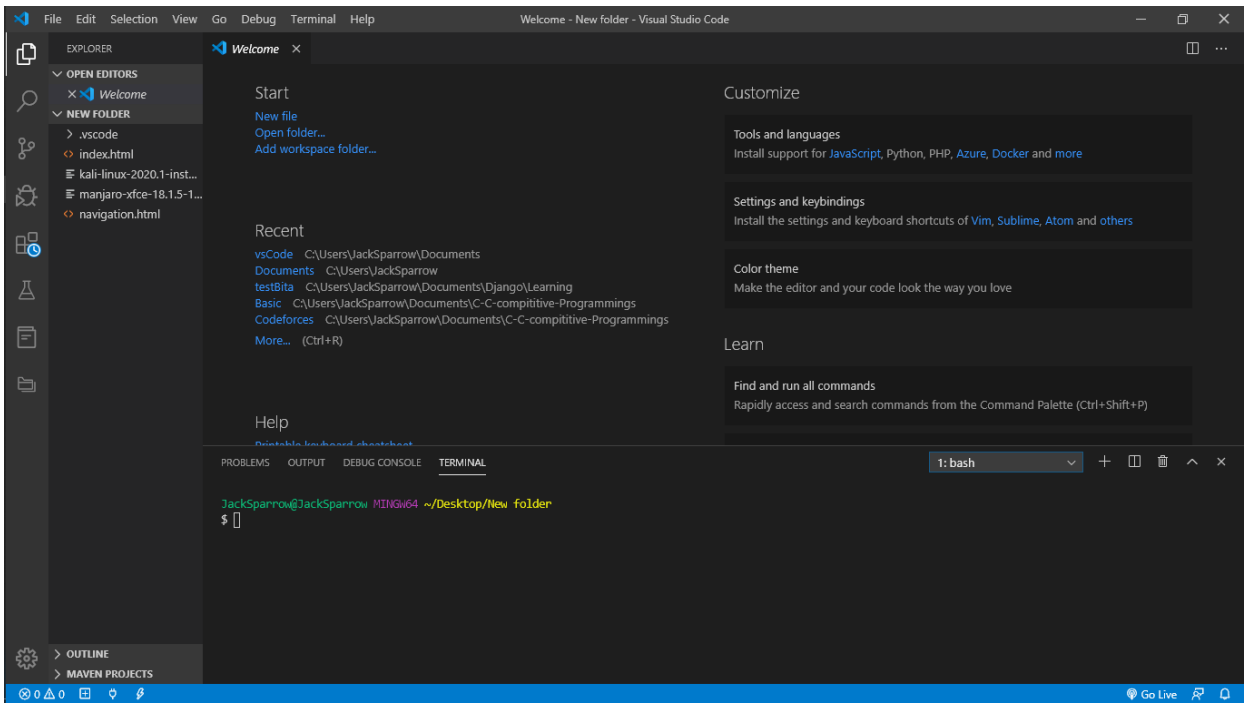
- click edit
- select new
- paste the link where you mingw bin folder . for me it is `C:\MinGW\bin`
    - find it there
- select ok ok for everything

Install git

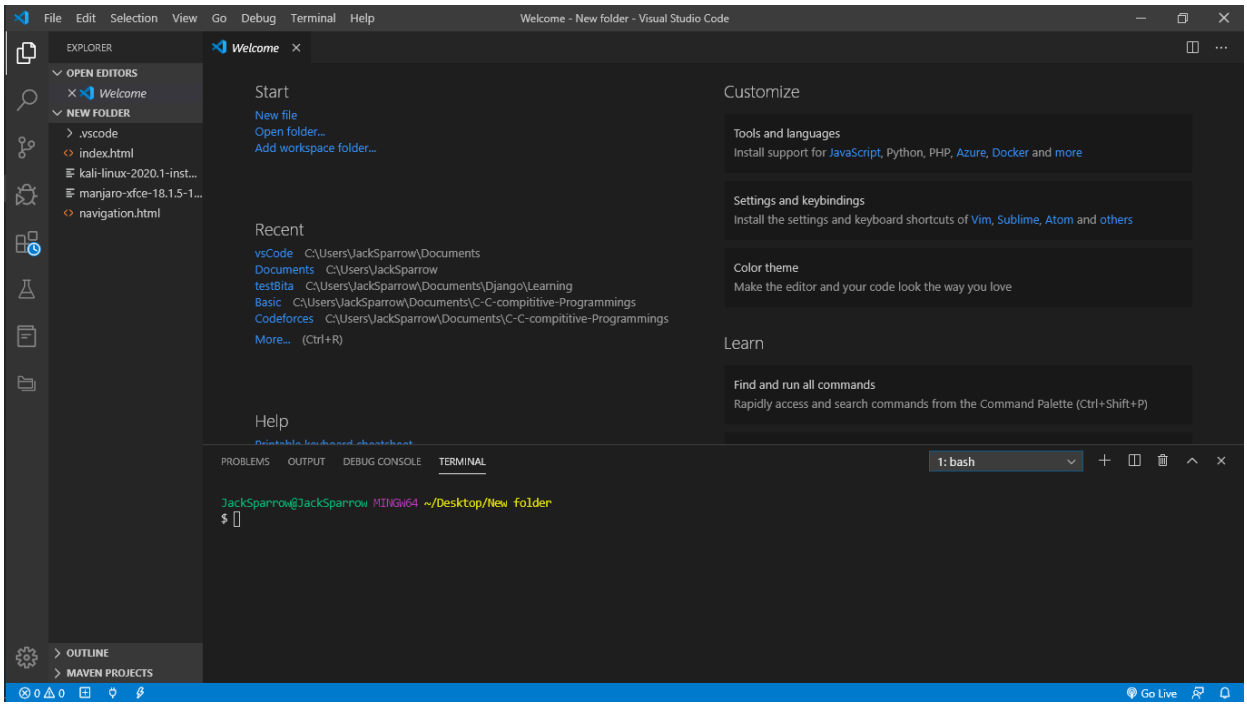
- download link Link

Then

- Open Vs code
- Open your coding folder `file->open folder`
- press `ctrl+~` and the terminal will be opened below (At the bottom of the vs code)



- if in the terminal u find that its **cmd** or **powershell** then click on **cmd/powershell** and select ' `set default sell` ' and select `git`
- - Now click on the delete icon and press `ctrl+~` and its saying your shell is bash!
- if still bash no showing then close vs code and open vs code again



Run a programme for testing :

- create a file hello.cpp
- write code to print hello

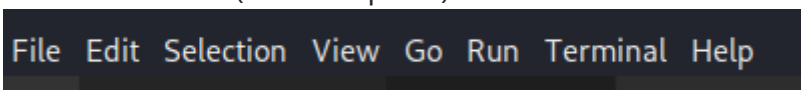
- in terminal use the command

```
g++ hello.cpp -o test && ./test
```

- If you find `hello` then congrats
- if saying g++ not found then try to close vs code and then oepn vs code again.

Setup vs code

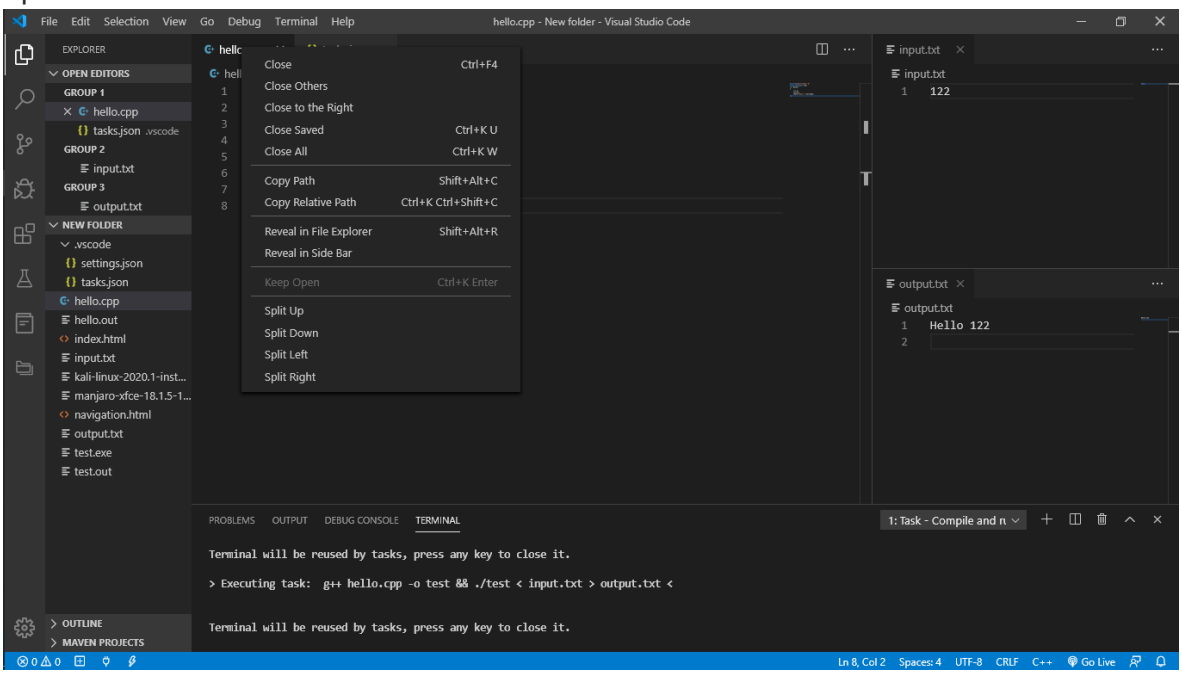
- Clik on terminal (At the top bar)



- select configure task
- select create task.json from template
- select other and new task.json file will be created
- now copy and paste the my `task(windows).json` {link is here} file into your `task.json` file
- done

More things to do : Note : **You just need to do these things only for the first time of your workspace!**

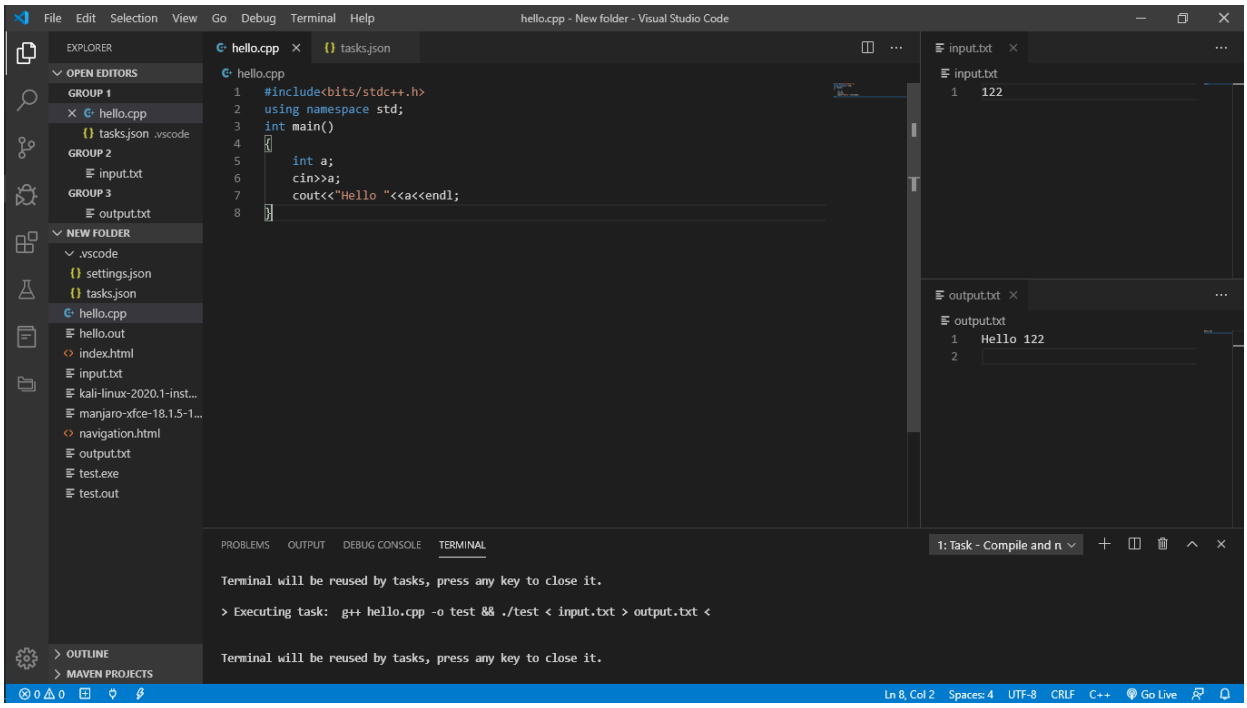
- Split screen in 3 sections



  - split the main section in right (right mouse click on the .cpp file and u will get the split options)
  - then split the right into down (same as above)
- create a file named `input.txt`
- create a file named `output.txt`

- open input.txt into the upper right section
- open output.txt into the lower right section

This will be the final look of your vs code



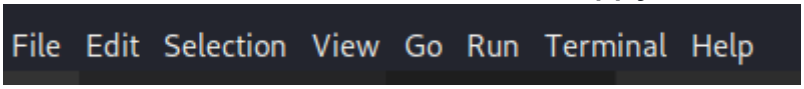
Now create your file .cpp give inputs in input.txt and press `Ctrl+Shift+b` and your output will be in the output.txt file

Note : Make sure your mouse corsor is **clicked** or **focused** on the **cpp file** editor while you are running your code.

2. VS CODE Snippet

This one is made for my personal usage ,you can add functions as you wish and edit my name and doc

- Select User Snippets under **File** (at Left top bar) > **Preferences (Code > Preferences on macOS)**, and then select **cpp.json**



- copy or replace the cpp.json file {Link} and save !

Usage :

- Creating a cpp file if you type **inc** and press **Tab** in your keyboard the **snippet** will load as i have set **prefix** as **inc** in my **json file** . (**You can edit as your own !**)
- This will make programming easy and fast .

In the Repository i have also added *config* files for other Programming Languages too :

- **task.json** files for :
  - Python :
    - Windows File
    - Linux File
  - Java :
    - Windows File
    - Linux File
  - Dart :
    - Windows File
    - Linux File
- **Snippets** for :
  - Python
  - Dart
  - Java **To be added**

Happy coding :3