**INSTALLING AND SETTING UP SUBLIME TEXT AND MINGW COMPILER**

Go to - ***https://www.sublimetext.com/download***

Click on windows. Install SUBLIME TEXT. Since, it is a text editor we need to install a compiler for it to run your code.

You can download **minGW** compiler. After installing, you need to copy the path of bin folder to the system variable path.

**Watch this -** [***https://www.youtube.com/watch?v=9PAglZlRolo***](https://www.youtube.com/watch?v=9PAglZlRolo)

Now your compiler is set up. But there is one problem! You can only output in SUBLIME TEXT, can't take input. For input, we need to setup new Build System.

**SETTING UP SUBLIME TEXT FOR TAKING INPUT**

You can do it in 3 ways.

1) Perfect Input-Output system. (according to me & others!)

2) Input-Output in a pop-up window.

3) Input-Output in the same panel below the code.

*PERFECT INPUT-OUTPUT BUILD SYSTEM*

Open SUBLIME TEXT. Do the following steps:

1) *View -> Layout -> Columns:3*

2) *View -> Groups -> Max Columns:2*

3) *Tools -> Build System -> New Build System.*

4) Delete the code and paste the following:

**{**

**"cmd": ["g++.exe","-std=c++17", "${file}", "-o", "${file\_base\_name}.exe", "&&" , "${file\_base\_name}.exe<input.txt>output.txt"],**

**"selector":"source.cpp",**

**"shell":true,**

**"working\_dir":"$file\_path"**

**}**

5) Click *ctrl + shift + s* to save the file. Name the file as ***C++ Perfect.sublime-build***

6) *Tools -> Build System -> C++ Perfect.*

7) We need to create two files – ***input.txt*** & ***output.txt***.

These should be in the same folder with your .cpp file. Meaning we need to keep ***.cpp***, ***input.txt*** & ***output.txt*** in same folder. To do that, click on the *top right section* of the screen and create a new file (ctrl + N). Name it ***input.txt***. Click on *bottom right section* of the screen and create a new file. Name it ***output.txt***

8) Now give your input in ***input.txt*** section.

Put your cursor in the ***.cpp*** file and run your code (***ctrl + B***). If you put your cursor in input or output file and run, it will give errors. Now, you can give input in the top right side. Output will be shown in bottom right side.

**FINALLY For help, watch this:** [***https://youtu.be/CACx2wrpF4I***](https://youtu.be/CACx2wrpF4I)

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*POP-UP WINDOW BUILD SYSTEM*

Open Sublime Text. Do the following steps:

1. Tools -> Build System -> New Build System.
2. Delete the code and paste the following:

**{**

**"cmd": ["g++.exe", "-std=c++14", "-o", "$file\_base\_name", "$file", "&&", "start", "cmd", "/c", "$file\_base\_name & echo. & echo. & pause"],**

**"shell": true,**

**"selector": "source.c++"**

**}**

1. Press *ctrl + shift + s* to save the file. Name this *C++\_Pop\_Up\_Window.sublime-build*
2. Select *Tools -> Build System -> C++\_Pop\_Up\_Window.* Now run the code and a pop-up window will appear where you can give input and it will show iutput.

For help, watch this: [*https://youtu.be/5wQSwOxhpnM*](https://youtu.be/5wQSwOxhpnM)

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***TERMINUS BUILD SYSTEM***

After setting up Sublime and minGW compiler, we could only output by selecting *C++ Single File run* build system. But couldn’t take input. To take input, we need to install a package.

Do the following steps:

1. *Tools -> Install Package Control*. It will be installed.
2. Click *Preferences -> Package Control*. Type *Install Package* and click on it. Now type *Terminus*.
3. If installation does not start, close and reopen SUBLIME TEXT. Search *Terminus* following step 2. You will see that installation ongoing in the below bar.

Now, you can choose either of the following option.

**OPTION 1: (EASIER ONE)**

1. *Tools -> Build System -> New Build System*.
2. Delete the code and paste the following:

***{***

***"target": "terminus\_exec",***

***"cancel": "terminus\_cancel\_build",***

***"shell\_cmd": "g++ \"${file}\" -o \"${file\_path}/${file\_base\_name}\"",***

***"file\_regex": "^(..[^:]\*):([0-9]+):?([0-9]+)?:? (.\*)$",***

***"working\_dir": "${file\_path}",***

***"selector": "source.c++",***

***"variants":***

***[***

***{***

***"name": "Run",***

***"shell\_cmd": "g++ \"${file}\" -o \"${file\_path}/${file\_base\_name}\" && \"${file\_path}/${file\_base\_name}\""***

***}***

***]***

***}***

1. Now save the file and name it *C++\_Terminus.sublime-build*
2. *Tools -> Build System -> C++ in Terminus*. Now run your code and it should work fine. Give input in the below terminus console and get output!

**OPTION 2: (LONG ONE)**

1. *Tools -> command Palette.* Delete deafult text and type *vpf*. Click on *View Package File*. Type *sublime-build c.* Click on *C++/C++ Single File.sublime-build*. Copy the code.
2. *Tools -> Build System -> New Build System.* Delete code and paste the code that you copied earlier.
3. You need to add two extra lines after '{' and before first line:

***"target": "terminus\_exec",***

***"cancel": "terminus\_cancel\_build",***

1. Now save the file and name it *C++\_Terminus.sublime-build*
2. *Tools -> Build System -> C++\_Terminus*. Now run your code and it should work fine. Give input in the below terminus console and get output!

**FOR HELP:** [***https://youtu.be/5Usw4MgIc04***](https://youtu.be/5Usw4MgIc04)

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That's it guys. I hope your sublime text is set up now and you can take input-output and run your code smoothly. Finally, I have created a playlist merging all the necessary videos to set up SUBLIME TEXT.

Link**:**[***https://www.youtube.com/watch?v=5Usw4MgIc04&list=PL-Nhn-mmszpOwqWDXcV9KndAKQH3HAjBT***](https://www.youtube.com/watch?v=5Usw4MgIc04&list=PL-Nhn-mmszpOwqWDXcV9KndAKQH3HAjBT)

**STAY SAFE, STAY HEALTHY.**