

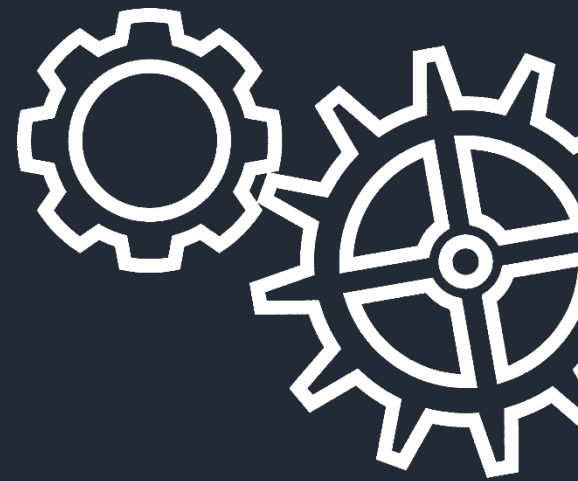


The Knowledge Hub
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**KH4056CEM Intro to Web Development &
Database Systems**

Environment Setup - Part 1: Installing a Code Editor (Atom)

+ Git-Bash Terminal



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Outline:

1. Download & Install Atom code editor.
2. Install some necessary packages.
3. **Downloading & Installing Git-Bash** (we will need this to push our code to GitHub and also when we get to the JS and the back-end layer)
4. **Embedding the Git-bash shell within Atom**

NOTE: Part 1 of the environment setup needed for this module targets the first layer, or the “Presentation Layer” of the web application you will be building. The software dependency needed in this layer, which might span the first 2-3 labs, is just a code editor to write some HTML, CSS and JS in.

If you have any prior experience with this part and worked on another code editor which you prefer to use, then go ahead. The code editor can be of your personal preference, **but make sure to install Git-Bash (Step 3).**

Otherwise, I would really recommend following the setup proposed in this manual.

1. Downloading & Installing Atom:

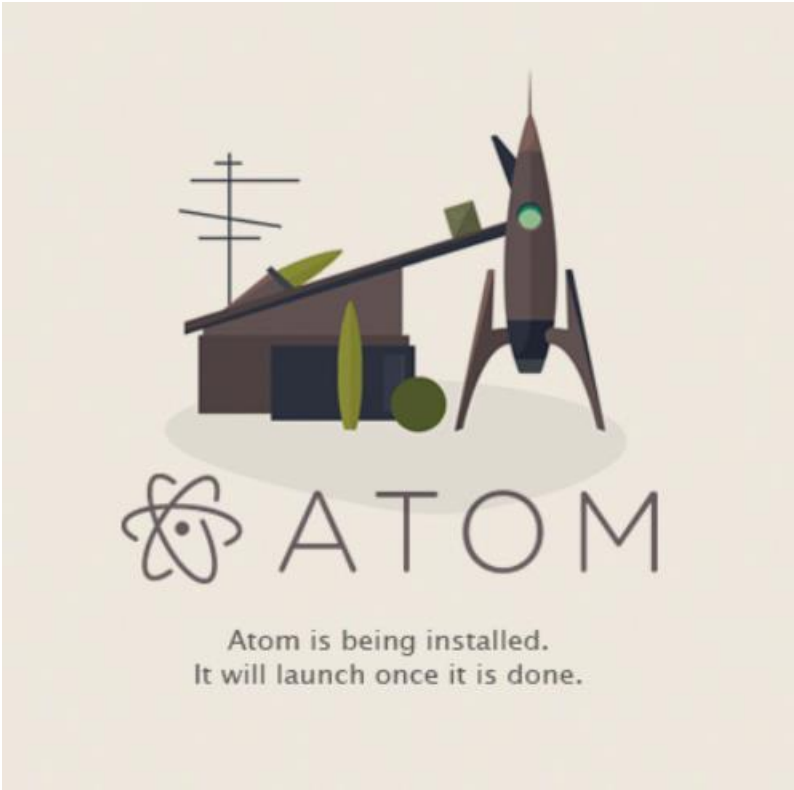
Visit <https://atom.io>

Your OS (Linux, Mac, or Windows) will be detected automatically.

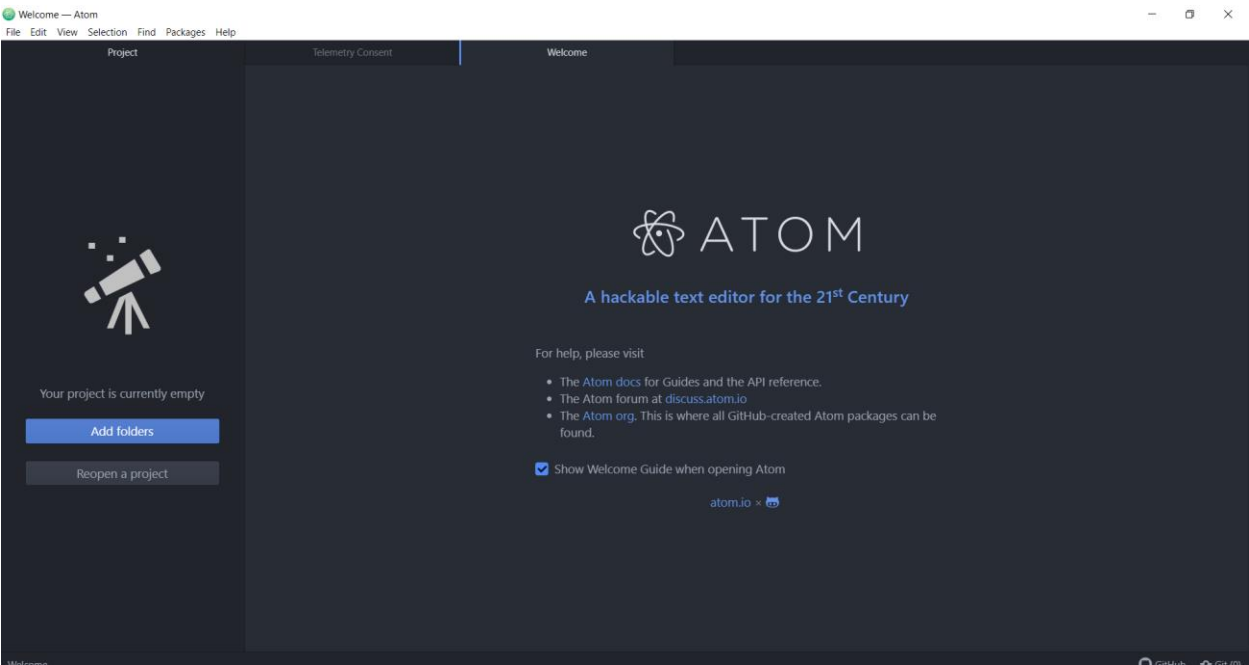
Click on the Download button.



Once the setup (exe) file is downloaded, double click on it and let it do the installation process peacefully:





Once the installation is done, you should see the following interface. You can close of all of these opened tabs.



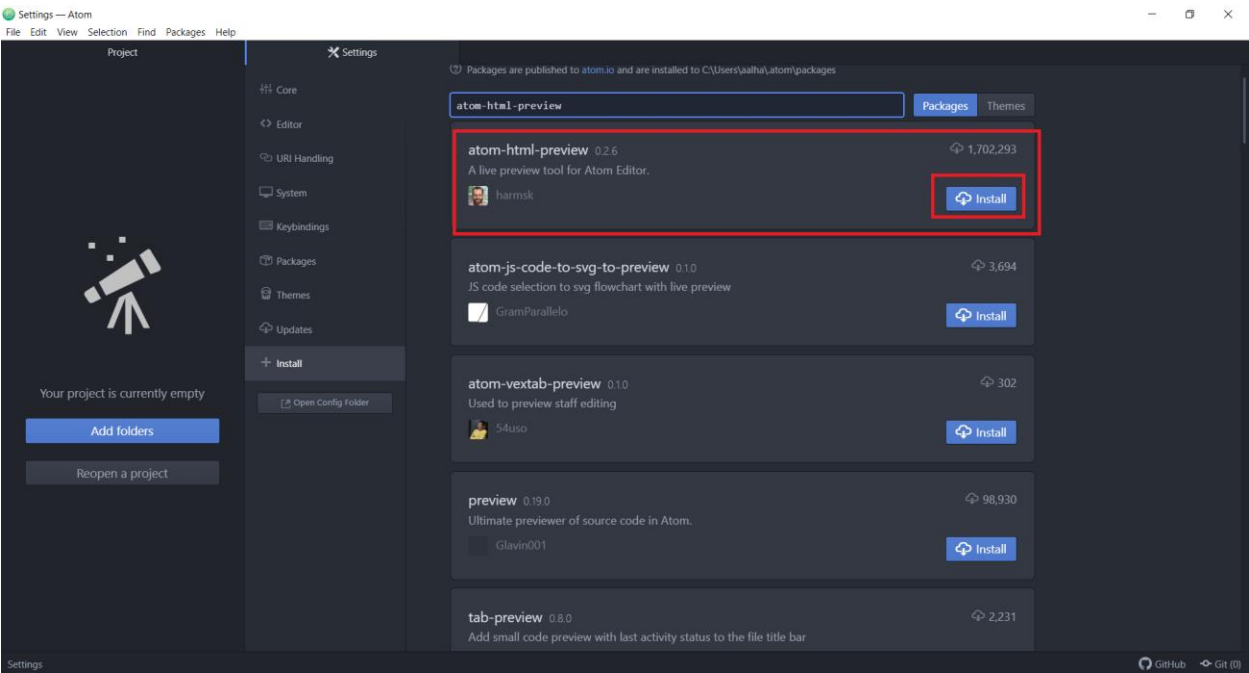
2. Install some necessary packages.



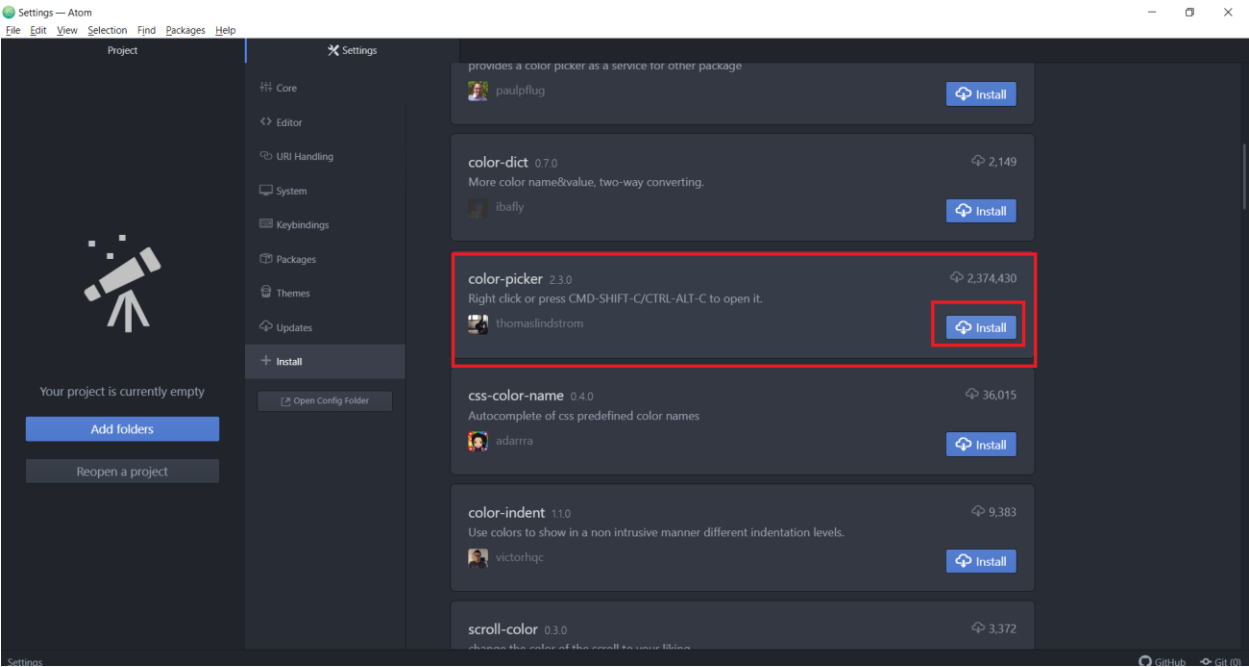
Click on  +  (or Ctrl/Command + Comma) to open up the settings. (You can open it via the GUI as well from File >> Settings)

Choose the “install” category, and:

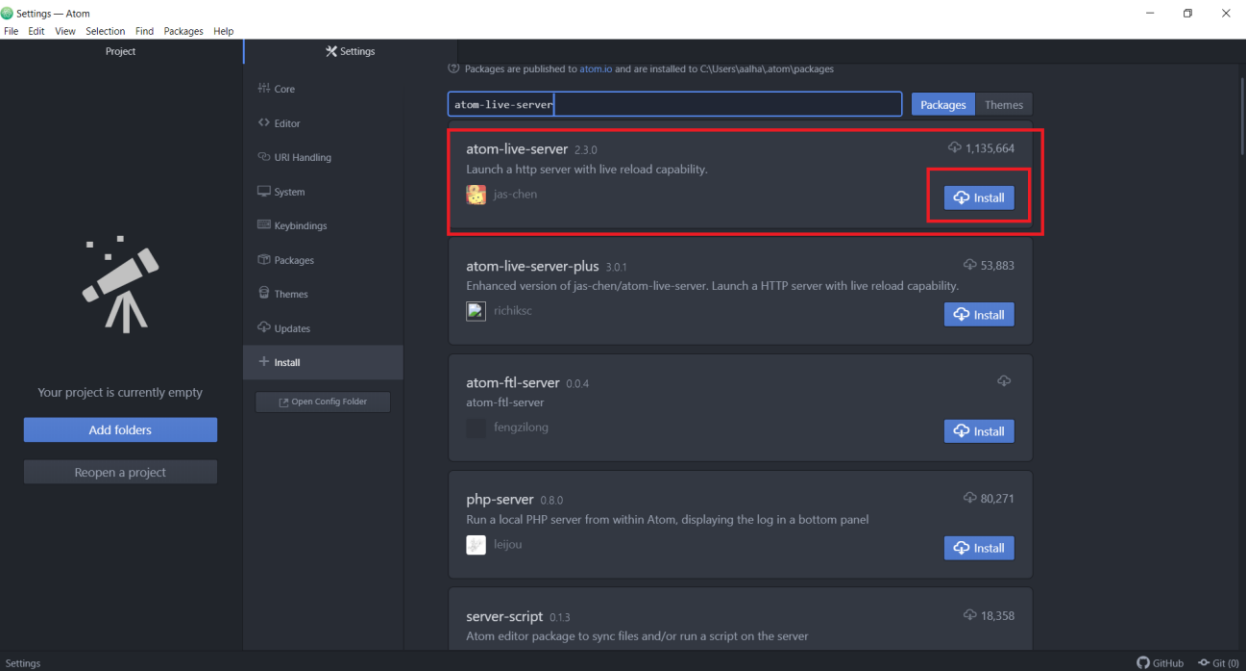
- Type in the search bar “atom-html-preview” and install the package shown below.



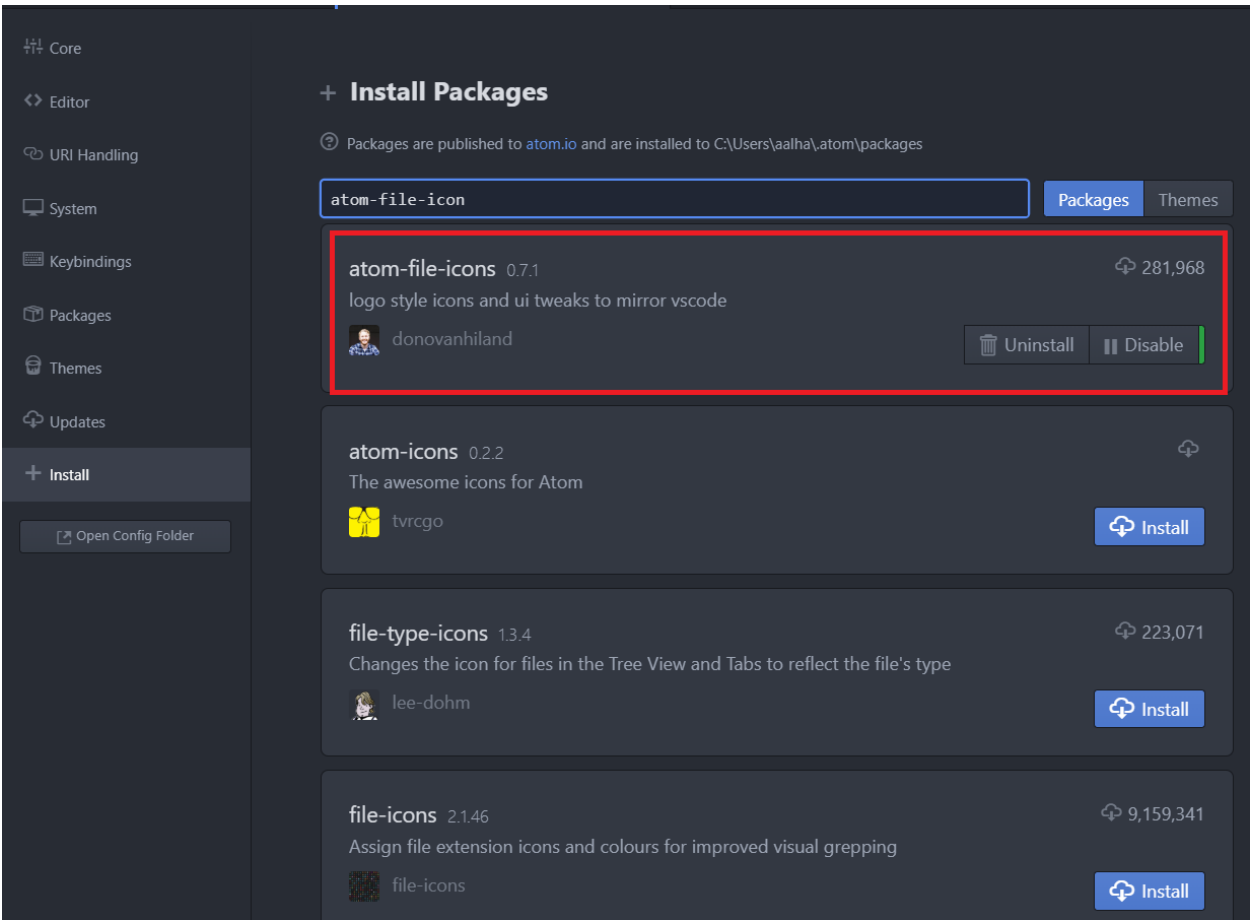
- Type in the search bar “color-picker” and install the package shown below.



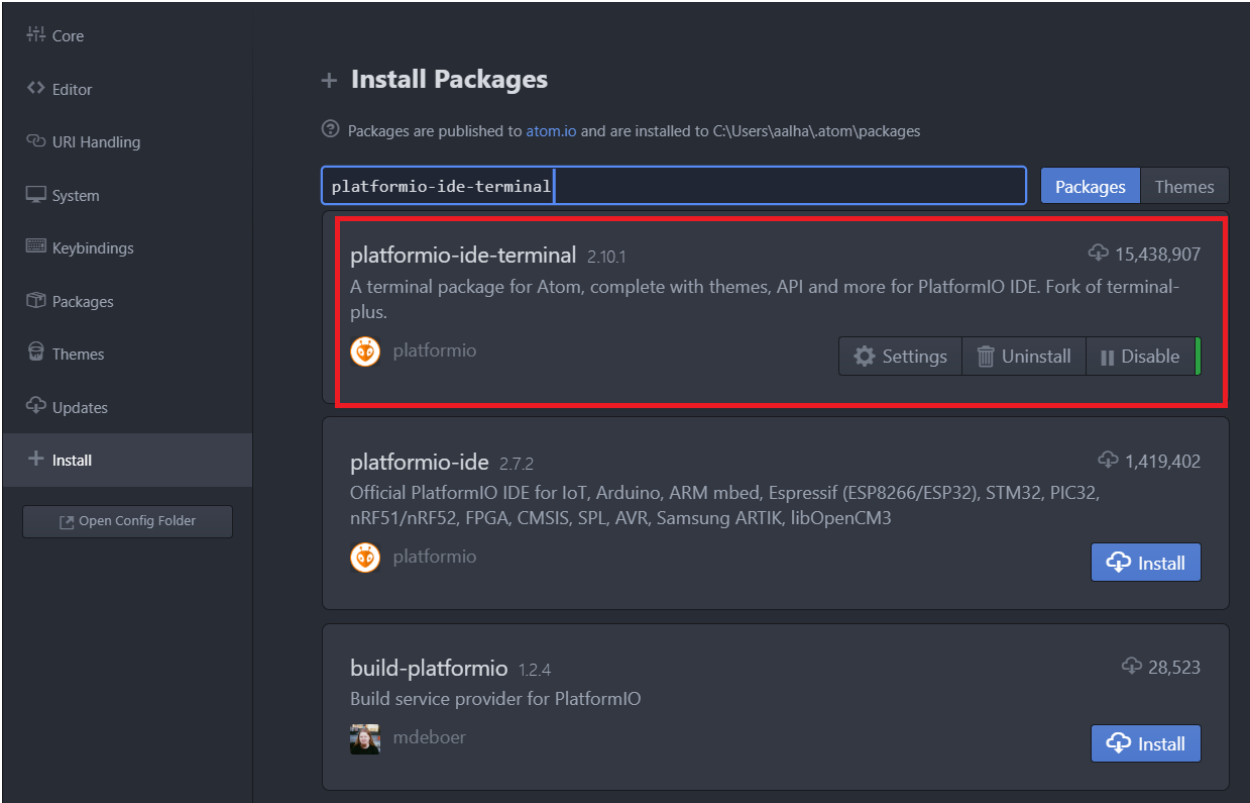
- Type in the search bar “atom-live-server” and install the package shown below.



- Type in the search bar “atom-file-icons” and install the package shown below.
(This will make the files icons in your project files look more intuitive.)



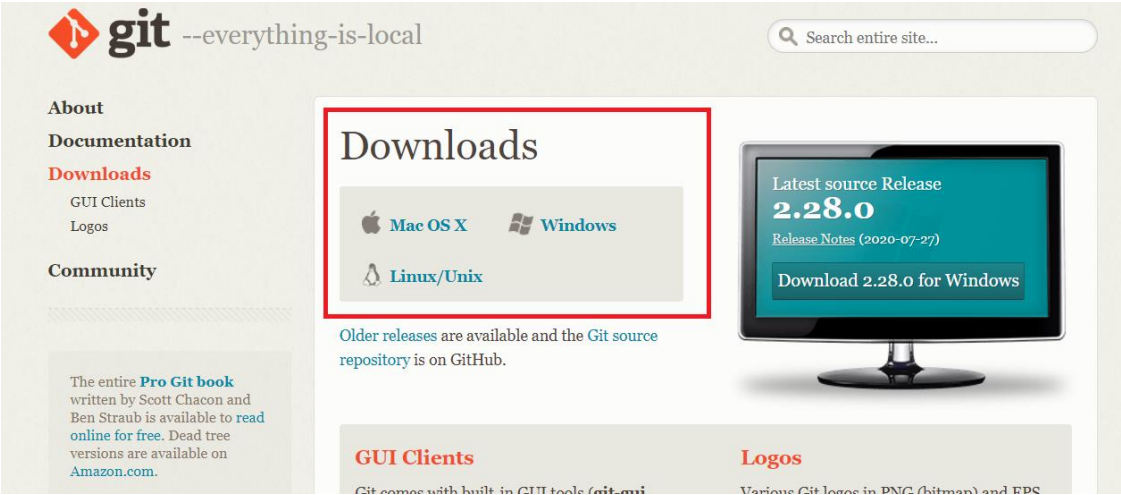
- Type in the search bar “platformio-ide-terminal” and install the package shown below.
(This will let us open up the terminal within atom)



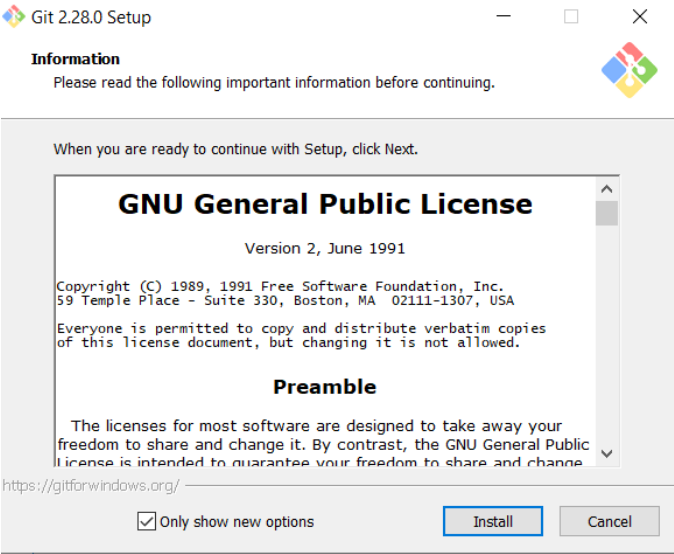
3. Downloading & Installing Git Bash:

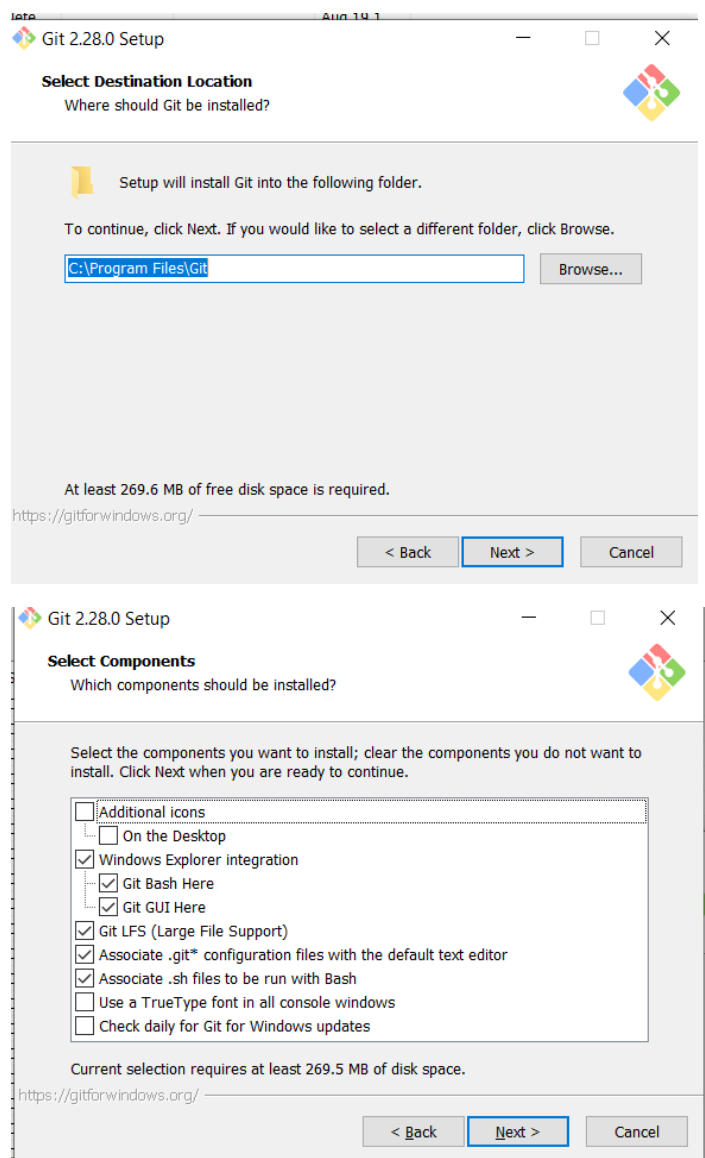
Visit <https://git-scm.com/downloads>

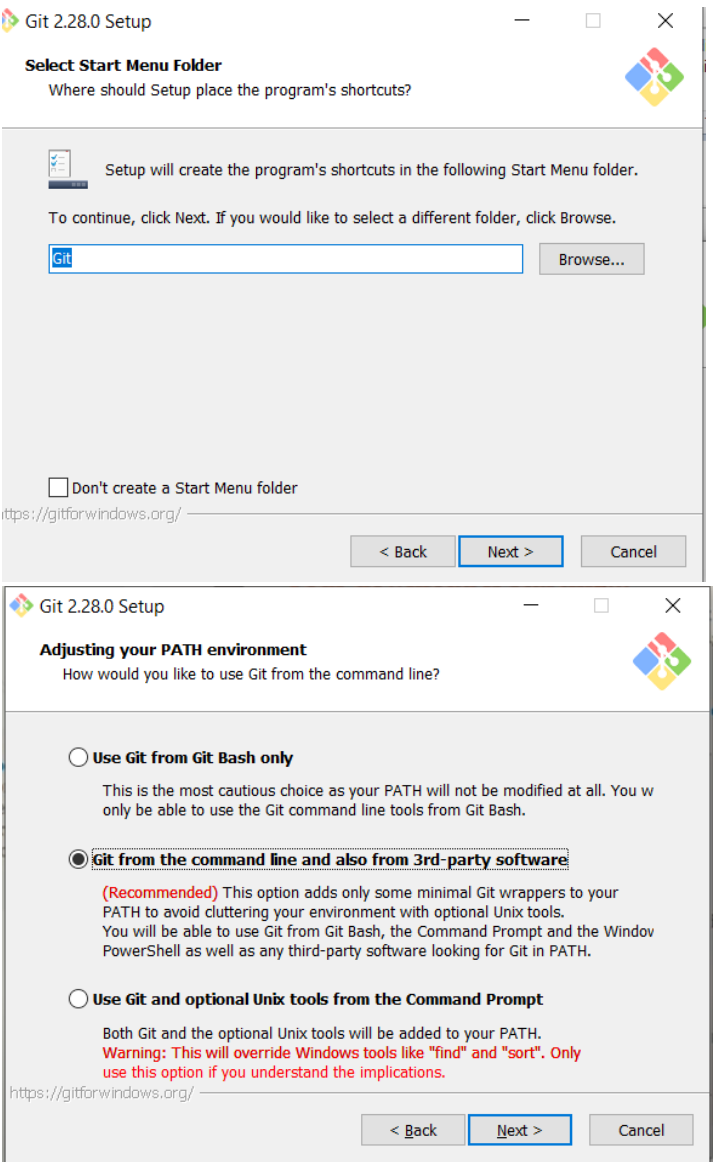
Choose your OS's version and then download it

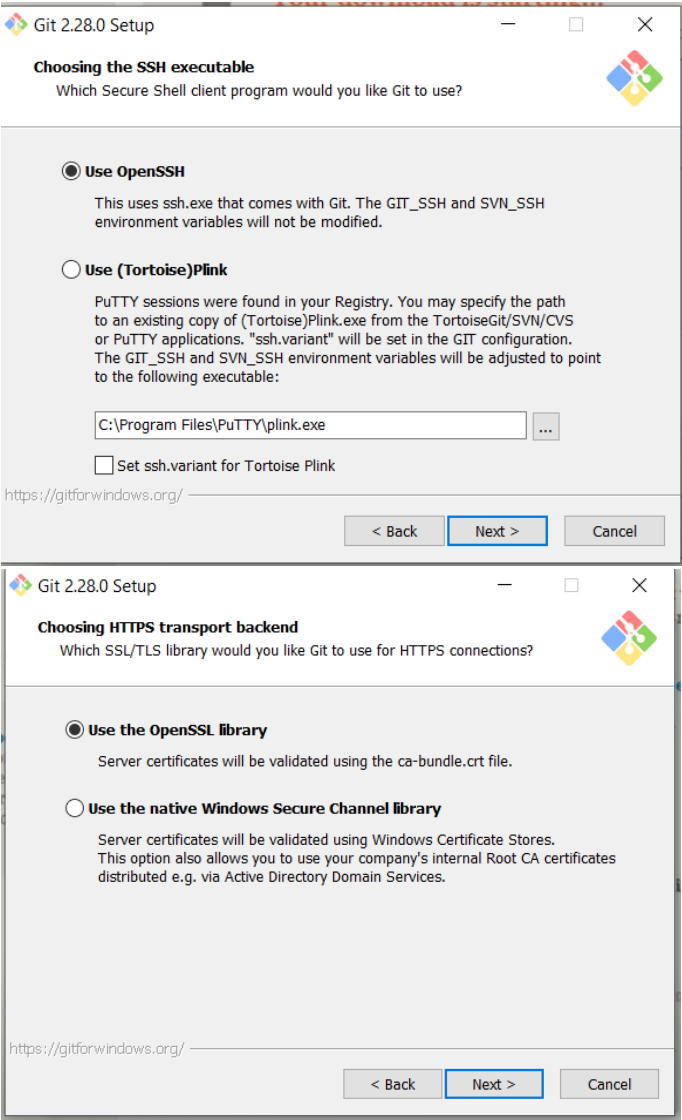


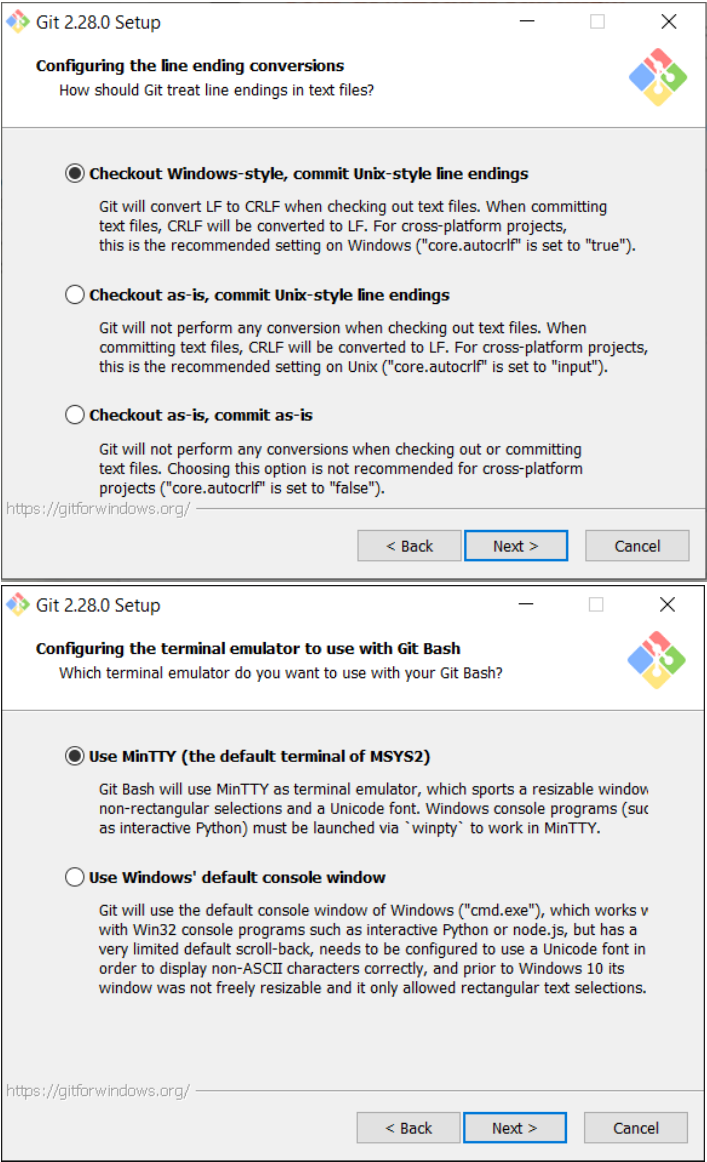
Once the setup file is downloaded, double click and follow the installation steps:

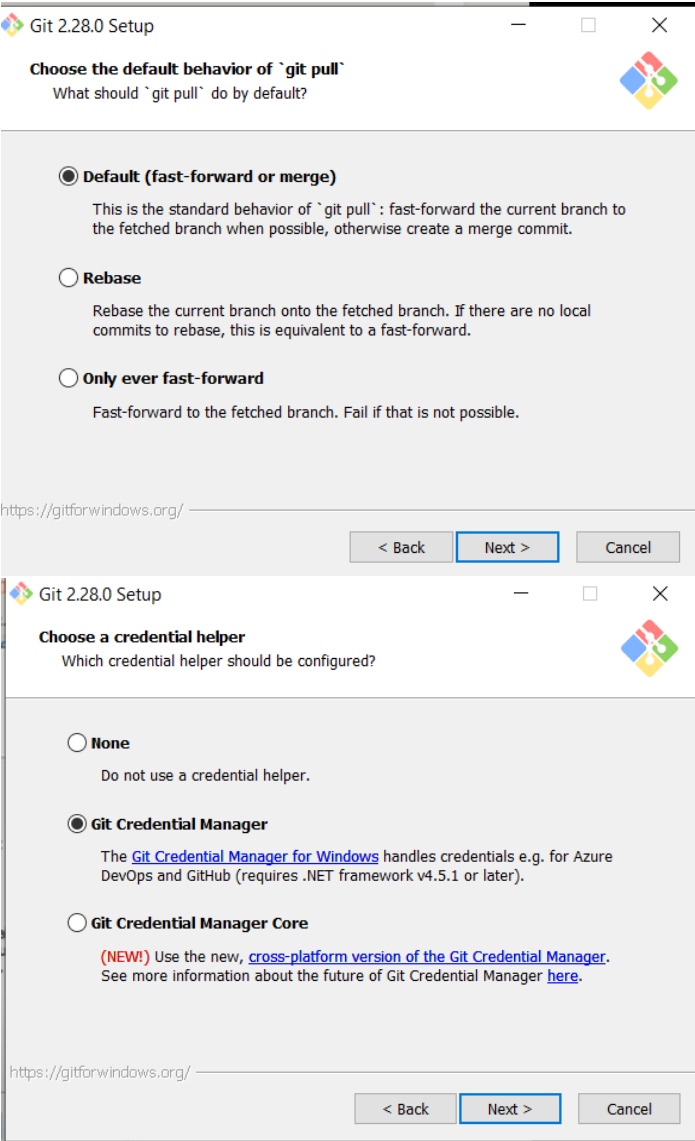


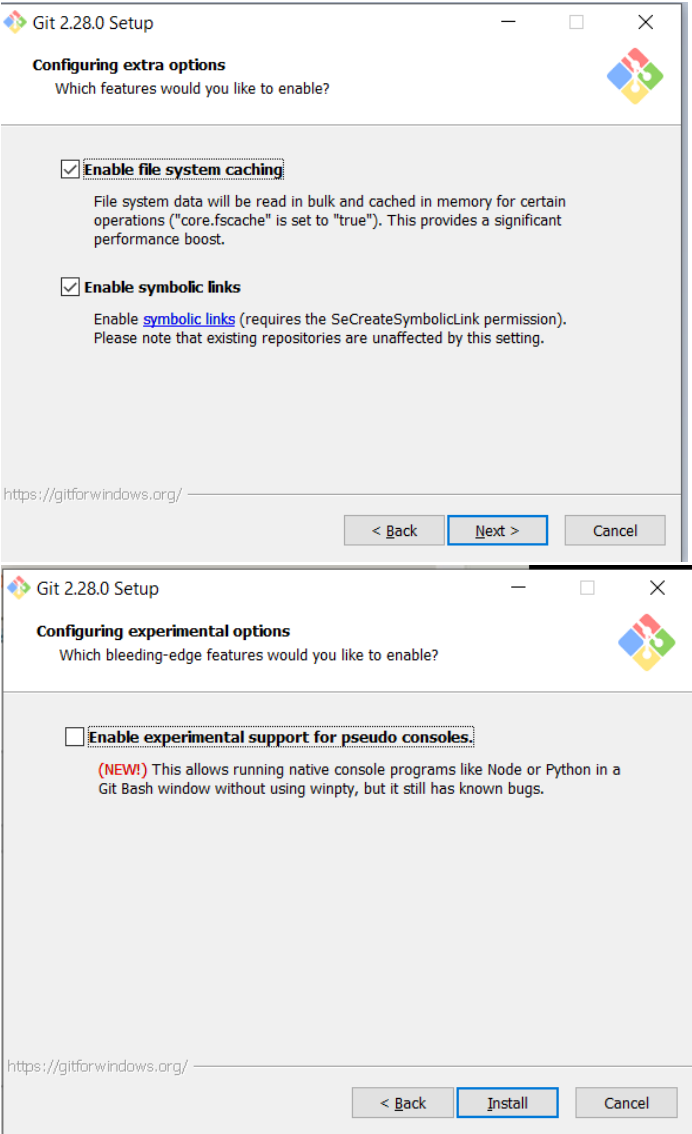


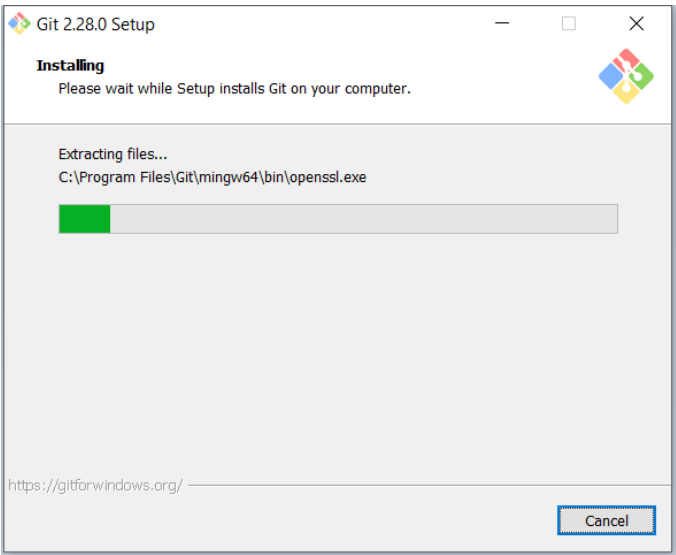




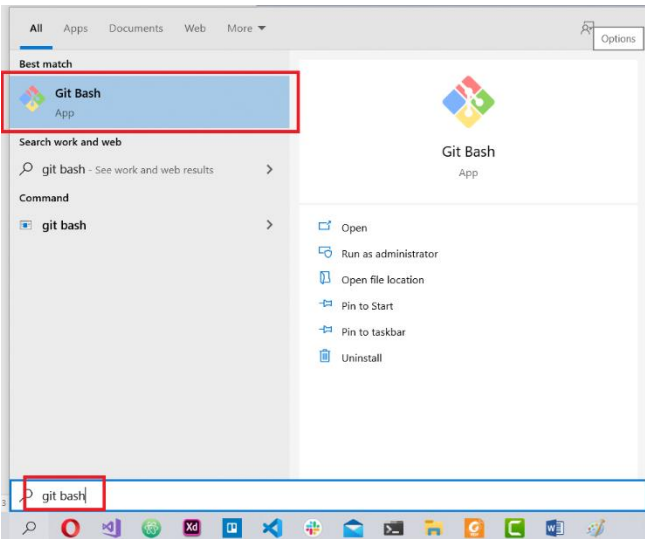


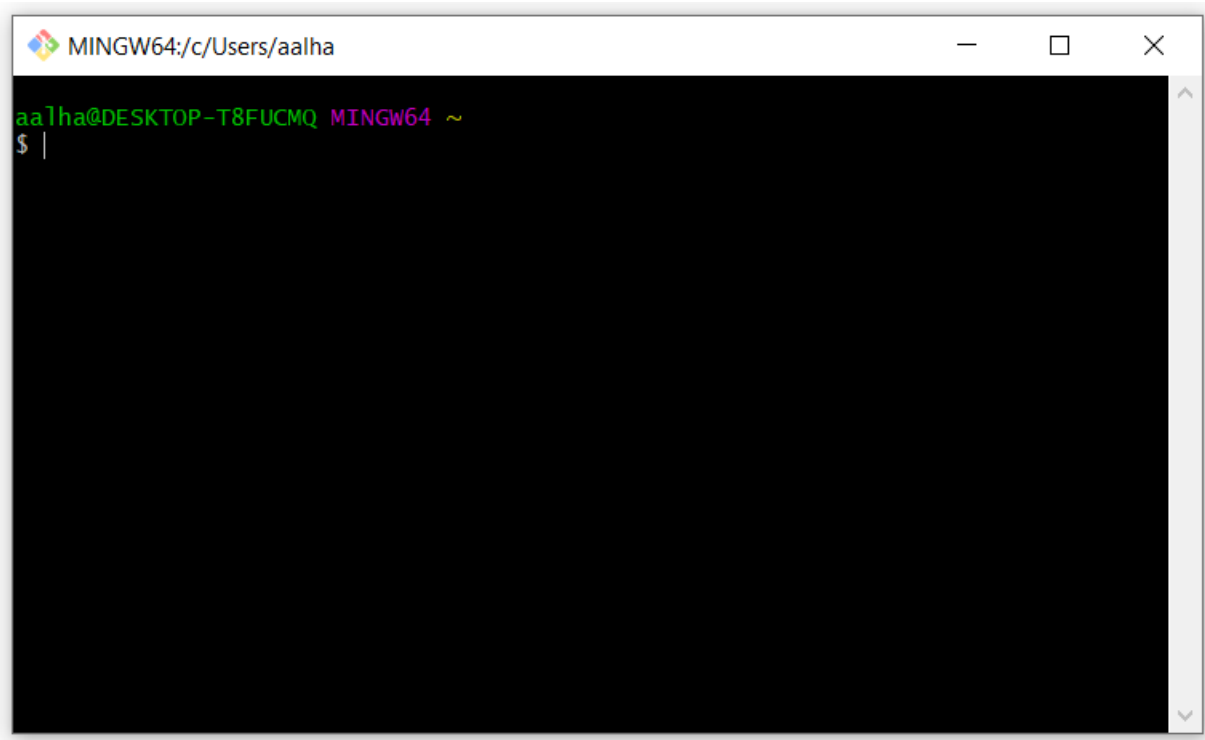






To open up the bash terminal:







4. Embedding the Git-bash terminal within Atom

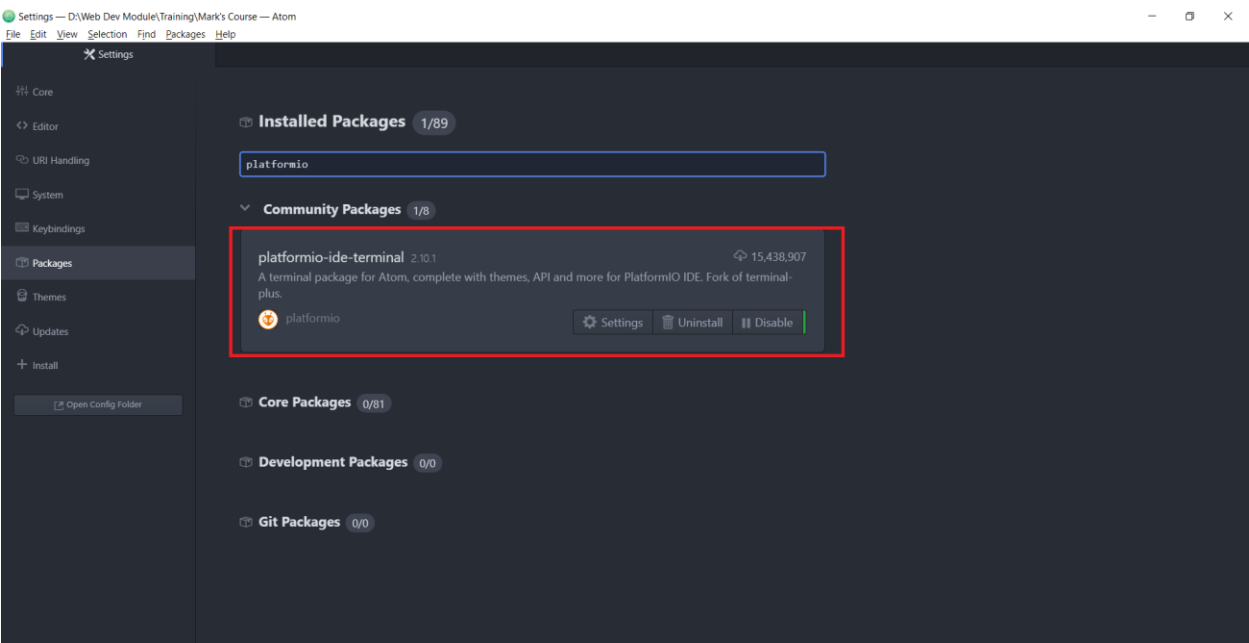
Note: If this part did not work, do not waste too much time figuring out what went wrong, contact me and we'll set it up together.



Step 1: Click on  +  (or Ctrl/Command + Comma) to open up the settings. (You can open it via the GUI as well from File >> Settings).

Go to the "Packages" category and in the search bar type: "platformio-ide-terminal".

Click on the result shown below (it will appear only if you installed it from earlier)

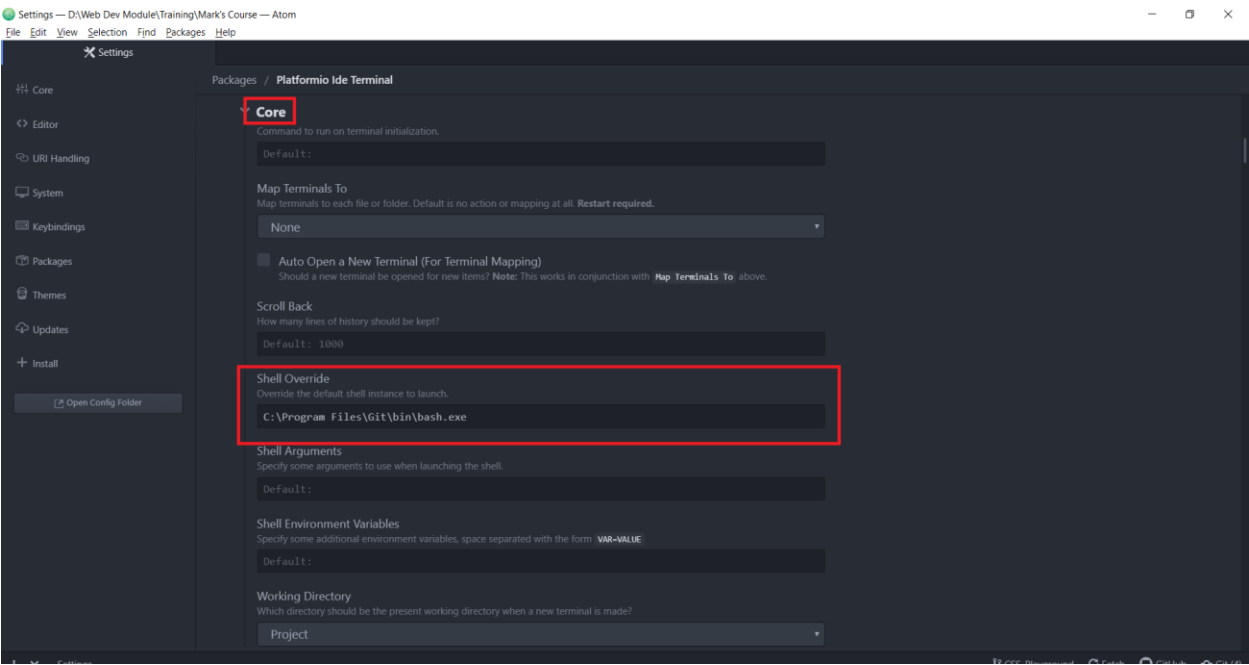


Step 2: (Do this step only if you were on a Windows OS)

Go the 'Core' Section >> 'Shell Override' , And type the directory of where the git bash terminal was installed on your machine, to let us open up git bash terminal inside Atom.

On Windows, this is usually the path of the git bash terminal:

C:\Program Files\Git\bin\bash.exe



Step 3: Close the settings tab and on the down-left most corner click on the “+” button, this should open up a terminal session in your project directory:

