Prerequisites

Install VSCode (We will use it to edit and manage the site)

Create an account on github. Once you do, reply here with your username so I can add you to your team and give you access to the site template. (We will use github for version control and for hosting the site as well).

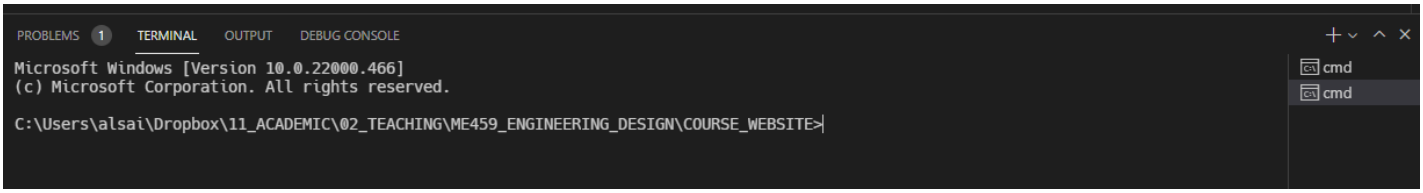
Install git

Download and Install Hugo Static Site Generator. Go to Hugo Releases, scroll down to Assets and download the compressed folder for your machine. Follow the instructions here.

In short, for Windows: create a directory `C:\Hugo\bin` and unzip the contents of the compressed files into that new dir. Add that directory C:\Hugo\bin into your path (we will do it in class)

VSCode

1. Open VSCode, click File->Save Workspace as, choose your course project folder and name the workspace ME459_Workspace
   VSCode will restart with the new workspace opened
2. In the command terminal (click `CTRL+j` if it's not open), and make sure you are under the workspace directory



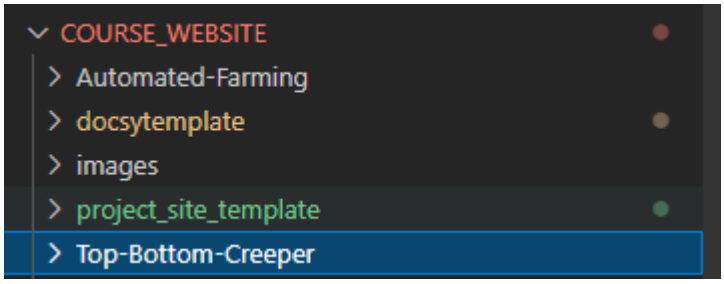
3. Clone your respective repo
   e.g.

```
>> git clone --recurse-submodules https://github.com/me459ku/Automated-Farming.git
```

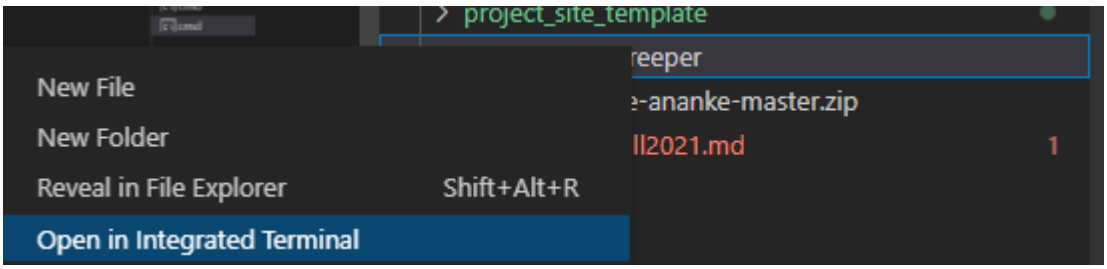
   or

```
>> git clone --recurse-submodules https://github.com/me459ku/Top-Bottom-Creeper.git
```

The project should be downloaded into your directory



4. In the command terminal, go to the project root folder by right clicking on the folder name in the explorer and selecting `Open in Integrated Terminal`



or if you're in the parent folder of the project type `>> cd [name of project folder]`

```
>> cd Automated-Farming
```

You should now be in the project directory

If you already have Hugo installed, try `>> hugo server -D` , a web server instance with your webpage will be available locally. You can make edits to your content and it will refresh in real-time.

Once you are done with your local edits and want to publish them to the site on github pages

See what changes you have made

```
>> git status
```

First commit the changes.

```
>> git commit -m "I made some changes for X Y Z"
```

What you did is basically save the changes to your local version control repository, now you want to send this update to github

```
>> git push
```

If you're the only one working on this project from one PC, then all you need to do is make changes -> commit them -> push them.

But if more than one person is working on it, or you're working on it from multiple directory/machines (without dropbox etc) then you need to bring the latest version to you local repo before you make changes.

```
>> git pull
remote: Enumerating objects: 122, done.
remote: Counting objects: 100% (122/122), done.
remote: Compressing objects: 100% (32/32), done.
remote: Total 90 (delta 56), reused 80 (delta 46), pack-reused 0
Unpacking objects: 100% (90/90), done.
From https://github.com/me459ku/Automated-Farming
   4497048..00643ca  gh-pages   -> origin/gh-pages
Already up to date.
```

Go to Hugo Learn Theme to learn more on how to edit the site.