

This is using the Terminal in VScode and with Git installed.

First I made an SSH key

```
$ ssh-keygen -t ed25519 -C "bcapinski@berkeley.edu"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/Ben/.ssh/id_ed25519):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/Ben/.ssh/id_ed25519
Your public key has been saved in /c/Users/Ben/.ssh/id_ed25519.pub
The key fingerprint is:
```

I added it to my GitHub account online.

Then I navigated to a folder called "Python Decal"

\$ git init

```
Ben@DESKTOP-UT95D0P MINGW64 ~/Desktop/Python Decal
$ git init
Initialized empty Git repository in C:/Users/Ben/Desktop/Python Decal/.git/
```

\$ mkdir homeworks

```
Ben@DESKTOP-UT95D0P MINGW64 ~/Desktop/Python Decal (master)
$ mkdir homeworks
```

\$ cd homeworks

```
Ben@DESKTOP-UT95D0P MINGW64 ~/Desktop/Python Decal (master)
$ cd homeworks
```

Since we made the SSH key earlier, we can clone a repo from Github without error

\$ git clone git@github.com:pydecal/homeworks.git

```
Ben@DESKTOP-UT95D0P MINGW64 ~/Desktop/Python Decal/homeworks (master)
$ git clone git@github.com:pydecal/homeworks.git
Cloning into 'homeworks'...
remote: Enumerating objects: 13, done.
remote: Counting objects: 100% (13/13), done.
remote: Compressing objects: 100% (10/10), done.
remote: Total 13 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (13/13), done.
```

(I don't know if that was what the extra points is for)

The problem at this point is that I cloned the repo into my own homeworks folder. I think the assignment was to make the Github repo online instead of with \$ git init. But it is easy to fix.

I moved the file one directory up:

```
$ mv homeworks/surprise.txt ..
```

```
Ben@DESKTOP-UT95D0P MINGW64 ~/Desktop/Python Decal/homeworks (master)
$ mv homeworks/surprise.txt ..
```

Then delete the homeworks repo I cloned.

```
$ rm -rf homeworks
```

```
Ben@DESKTOP-UT95D0P MINGW64 ~/Desktop/Python Decal/homeworks (master)
$ rm -rf homeworks
```


And then I realized I put the file one directory too high so I put it back.

```
$ mv ../surprise.txt .
```

```
Ben@DESKTOP-UT95D0P MINGW64 ~/Desktop/Python Decal/homeworks (master)
$ mv ../surprise.txt .
```

Then edit the file:

```
Ben@DESKTOP-UT95D0P MINGW64 ~/Desktop/Python Decal/homeworks (master)
$ notepad surprise.txt
```

 surprise.txt - Notepad

File Edit Format View

Name: Benjamin C

Student ID: 3039

Commit the changes:

```
$ git commit -m "init commit"
```

```
Ben@DESKTOP-UT95D0P MINGW64 ~/Desktop/Python Decal (master)
$ git commit -m "init commit"
[master (root-commit) 25f186c] init commit
1 file changed, 22 insertions(+)
create mode 100644 homeworks/surprise.txt
```

Sign into Git

\$ gh auth login

```
Ben@DESKTOP-UT95D0P MINGW64 ~/Desktop/Python Decal (master)
$ gh auth login
? What account do you want to log into? GitHub.com
? What is your preferred protocol for Git operations? SSH
? Upload your SSH public key to your GitHub account? Skip
? How would you like to authenticate GitHub CLI? Login with a web browser
```

And finally create and push the new repo.

\$ gh repo create python-decal --public --source=. --remote=upstream --push

```
Ben@DESKTOP-UT95D0P MINGW64 ~/Desktop/Python Decal (master)
$ gh repo create python-decal --public --source=. --remote=upstream --push
✓ Created repository bcapinski/python-decal on GitHub
✓ Added remote git@github.com:bcapinski/python-decal.git
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 765 bytes | 765.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:bcapinski/python-decal.git
* [new branch]      HEAD -> master
branch 'master' set up to track 'upstream/master'.
✓ Pushed commits to git@github.com:bcapinski/python-decal.git
```