Getting started with Github

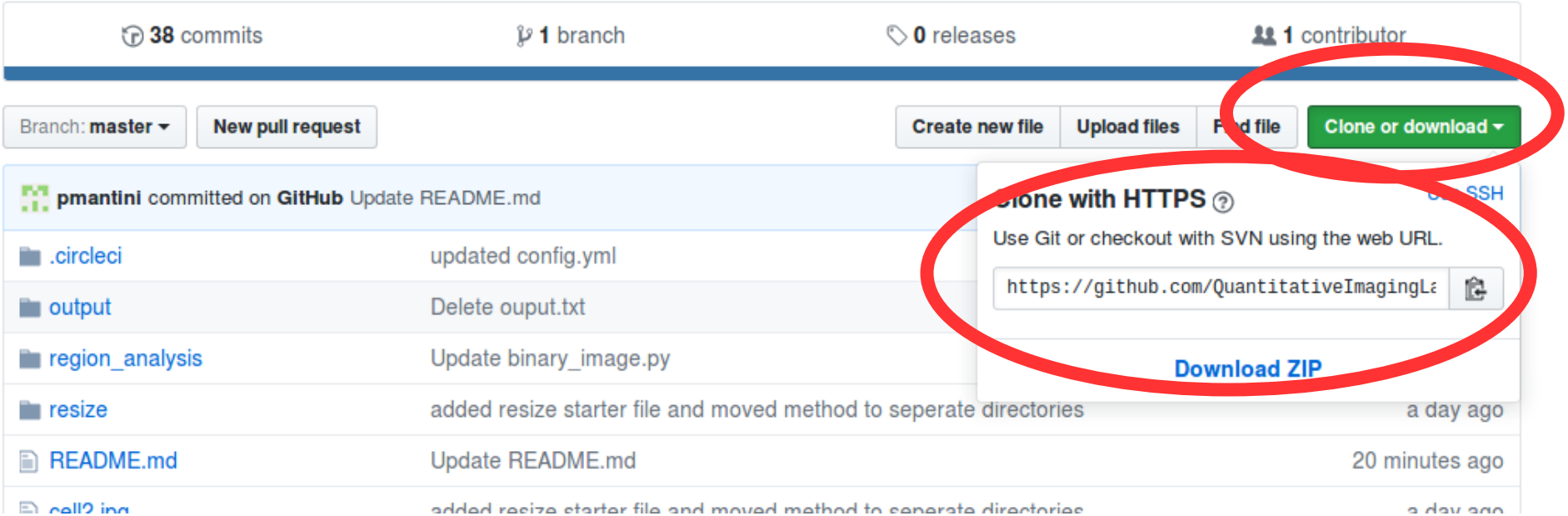
Prerequisite:

- You will receive a email with link to github classroom
- Follow the link and login/sign up for github
  - You will automatically be added to classroom
  - A repository with the starter code will be automatically created for you

- Install Git - https://git-scm.com/downloads

Checkout Starter Code

- Login to Github and goto <> code
- Click clone or download
- Copy URL (yourURL)



Checkout Starter Code

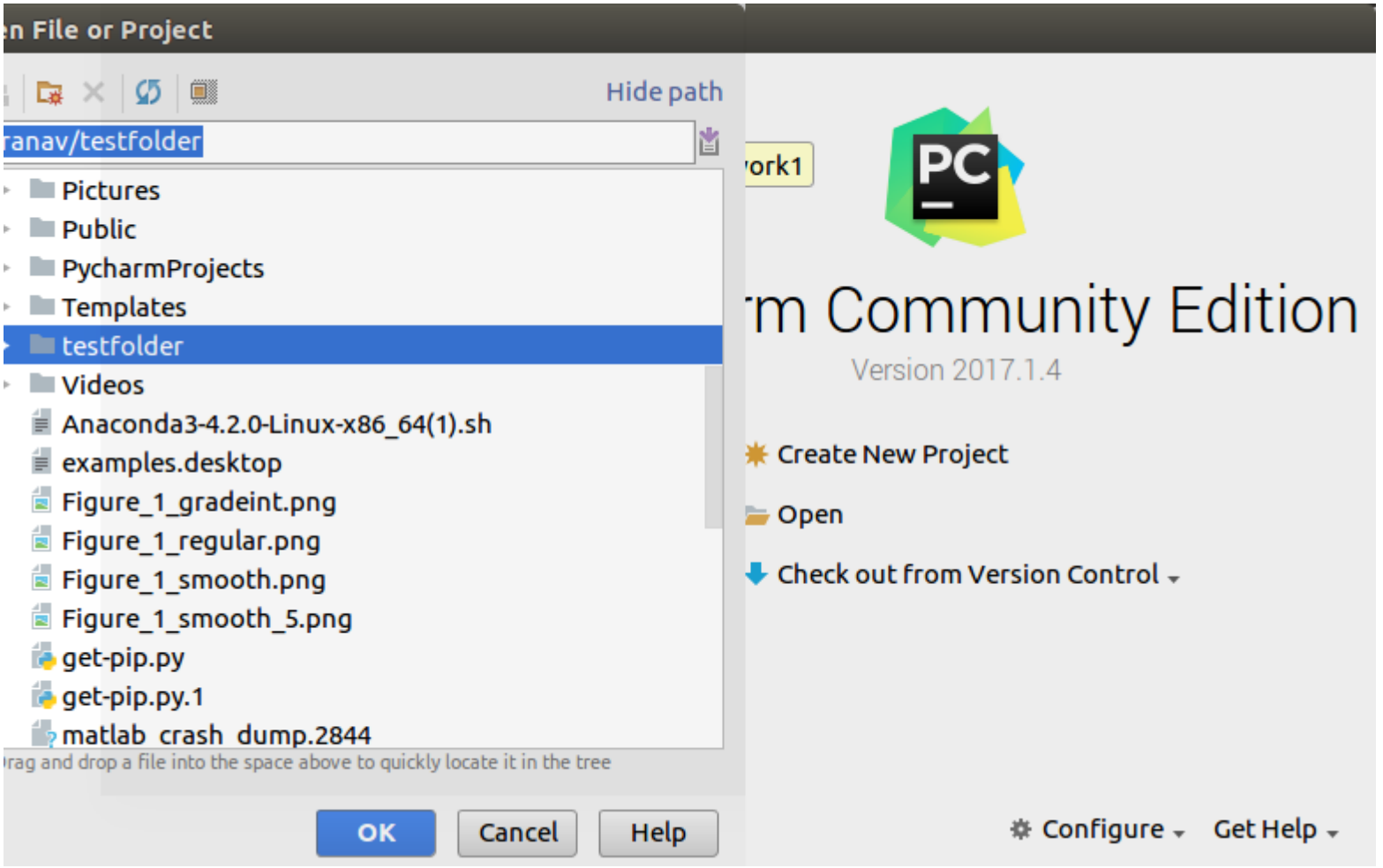
- Goto terminal or command prompt
- Create a local folder
- Initialize git with command:
  - > git init
- Add a remote repository
  - > git remote add <repo_name> <yourURL>
- Pull or checkout starter code
  - > git pull <repo_name> master
- Enter your github credentials
- This should create a local copy

Checkout Starter Code

```
pranav@pranav-M11x-R2:~$ mkdir testfolder
pranav@pranav-M11x-R2:~$ cd testfolder/
pranav@pranav-M11x-R2:~/testfolder$ git init
Initialized empty Git repository in /home/pranav/testfolder/.git/
pranav@pranav-M11x-R2:~/testfolder$ git remote add dipAsgn1 https://github.com/QuantitativeImagingLaboratory/Homework-1.git
pranav@pranav-M11x-R2:~/testfolder$ git pull dipAsgn1 master
Username for 'https://github.com': m_pranav@yahoo.com
Password for 'https://m_pranav@yahoo.com@github.com':
remote: Counting objects: 147, done.
remote: Compressing objects: 100% (105/105), done.
remote: Total 147 (delta 65), reused 69 (delta 22), pack-reused 0
Receiving objects: 100% (147/147), 150.89 KiB | 0 bytes/s, done.
Resolving deltas: 100% (65/65), done.
From https://github.com/QuantitativeImagingLaboratory/Homework-1
 * branch            master     -> FETCH_HEAD
 * [new branch]      master     -> dipAsgn1/master
pranav@pranav-M11x-R2:~/testfolder$
```

Write code

- Open this folder with Pycharm



Commit changes

- Commit your local code.
- > git commit -m “message”
- Commit as often as possible
- This will allow stepwise versions, in case you have to revert to previous version of code

Push

- Push you local changes back to Github
- > git push <repo_name> master
- Enter your github credentials

General Instructions

- You can add new files to the code using
- > git add <filename>
- In general push your code everytime you are done working
- You can follow the same procedure every time you want to continue work.
- Remember to pull your code before you start working, even though you already have the code in you directory. This will merge any changes at Github with your code. It will not over write your code.
- In-general use pull every time you start working and push code everytime you are done working