Github Guide

by Drew

You'll learn how to:

- Create and use a repository
- Make changes to a file and push them to Github as commits for assignments

What is Github?

Github is a code hosting platform for version control and collaboration. It lest you ad other work together on projects from anywhere.

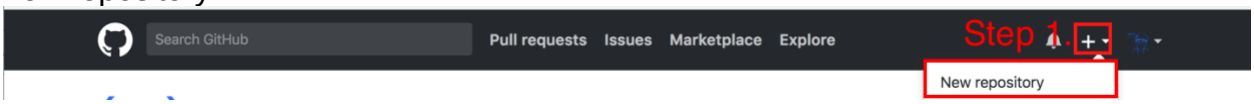
Step 1. Create a Repository

A **repository** is usually used to organize a single project. Repository (Repo) can contain folders and files, images, videos, spreadsheets, and data sets – anything your project needs.

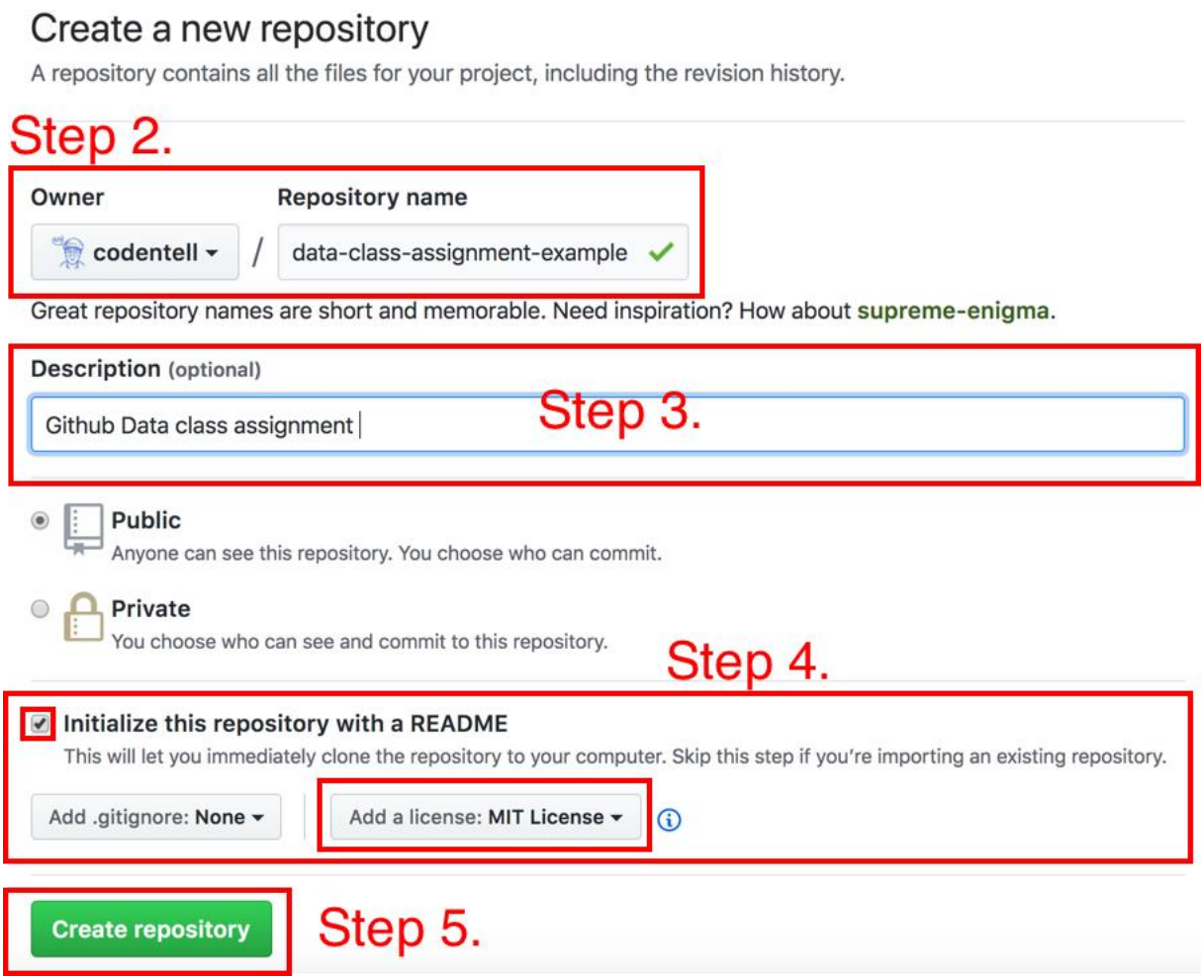
Your repository can be a place where you store ideas, resources, or even share and discuss things with others.

To create a new repository

1. In the upper right corner, next to your avatar click on the plus + and then select new repository.

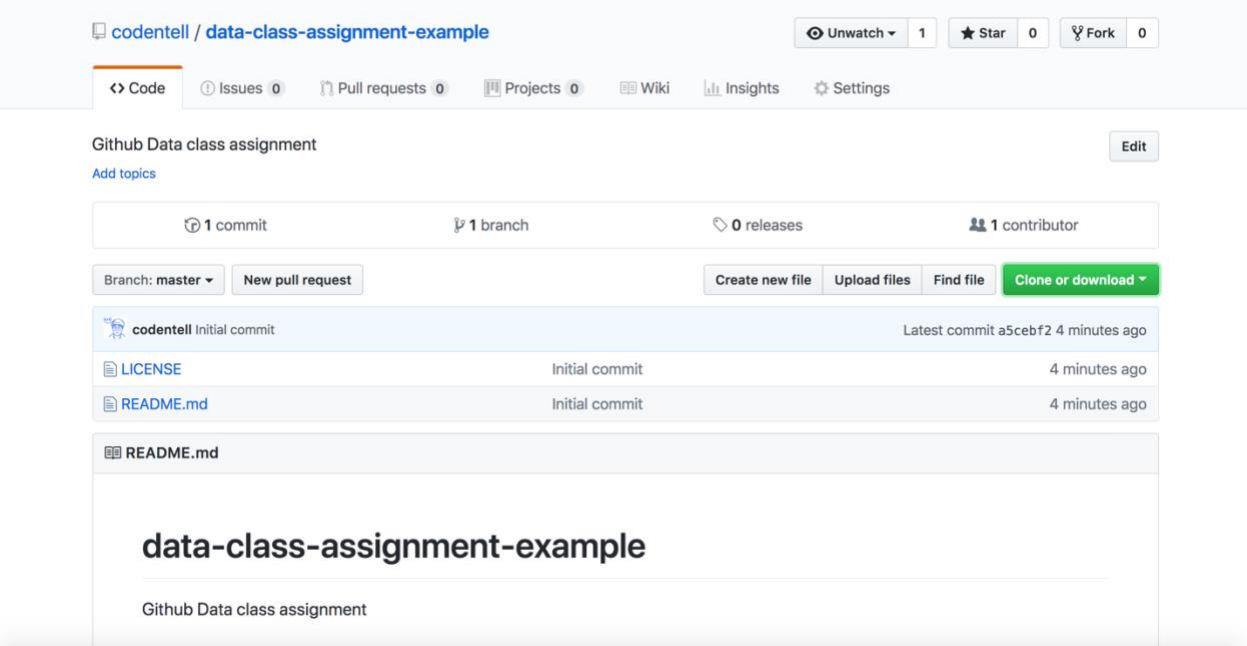


2. Name your repository the assignment name. Example: (kickstart-my-chart)
3. Write a short description
4. Select Initialize this repository with a README and add a license MIT License
5. Click on the Green button Create repository



Step 2. Clone your Repository

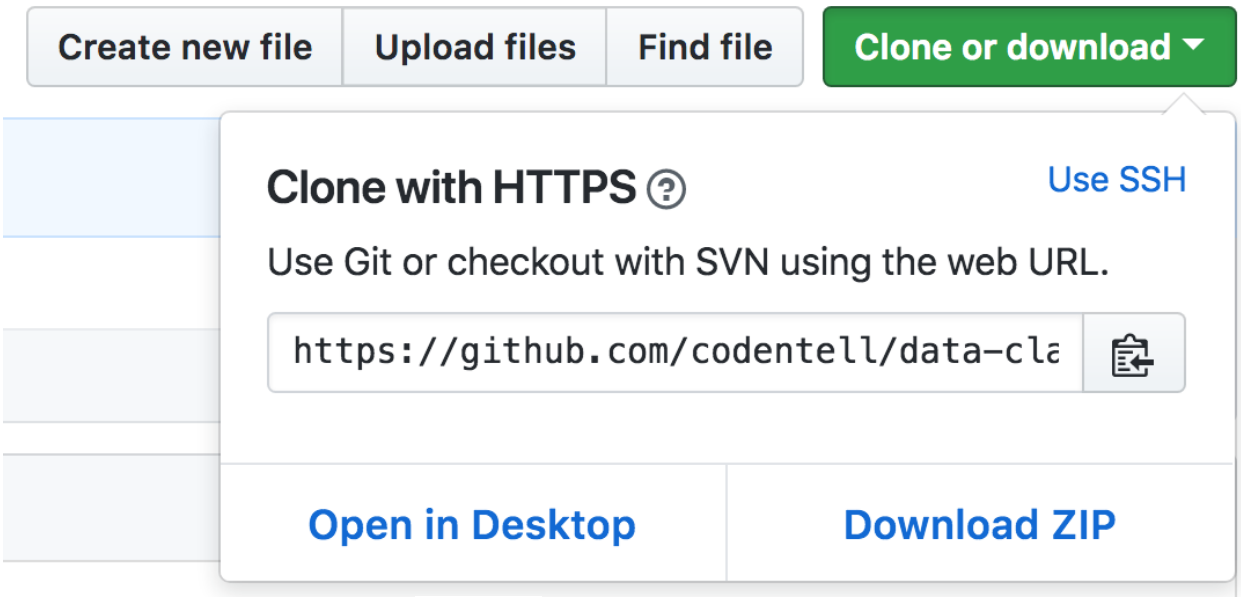
Your repository should look something similar to the image below.



Now we are going to Clone the repo to our local machine so in the future push all our work to github.

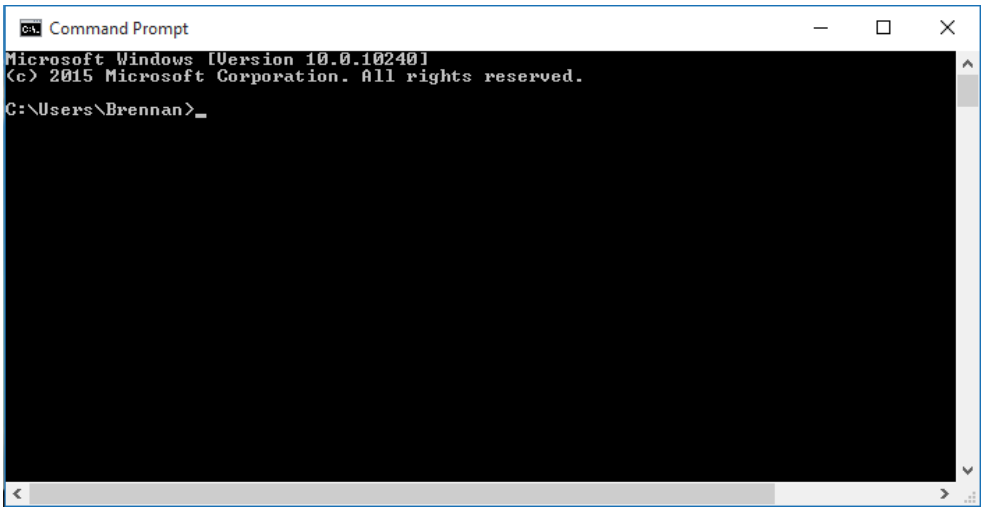
1. Click on the green button 

2. A dropdown should show up and look like this

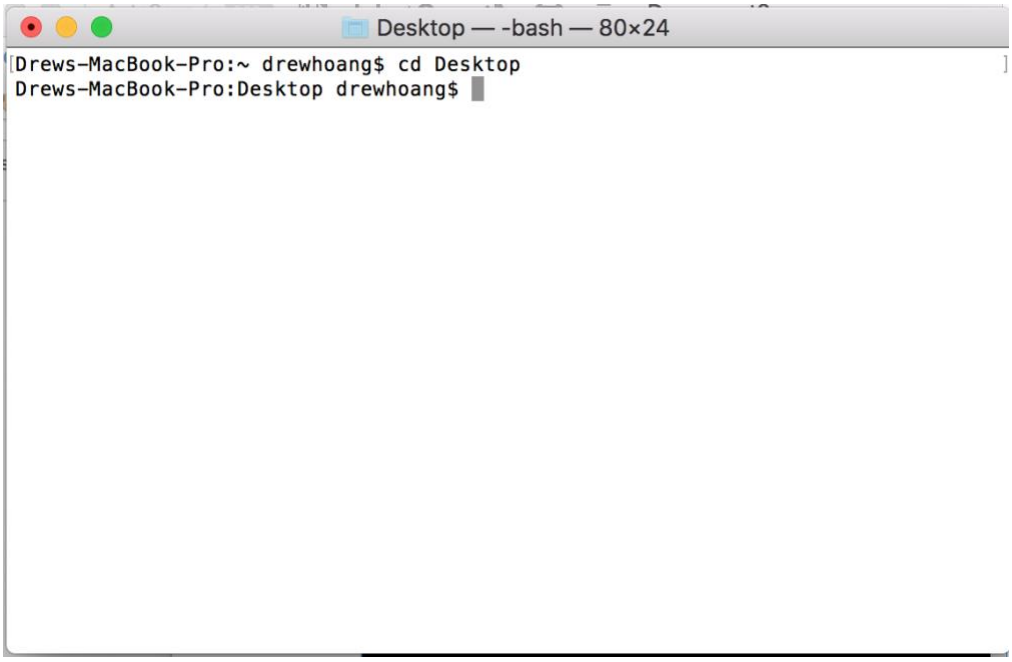


3. Click on the clipboard button 

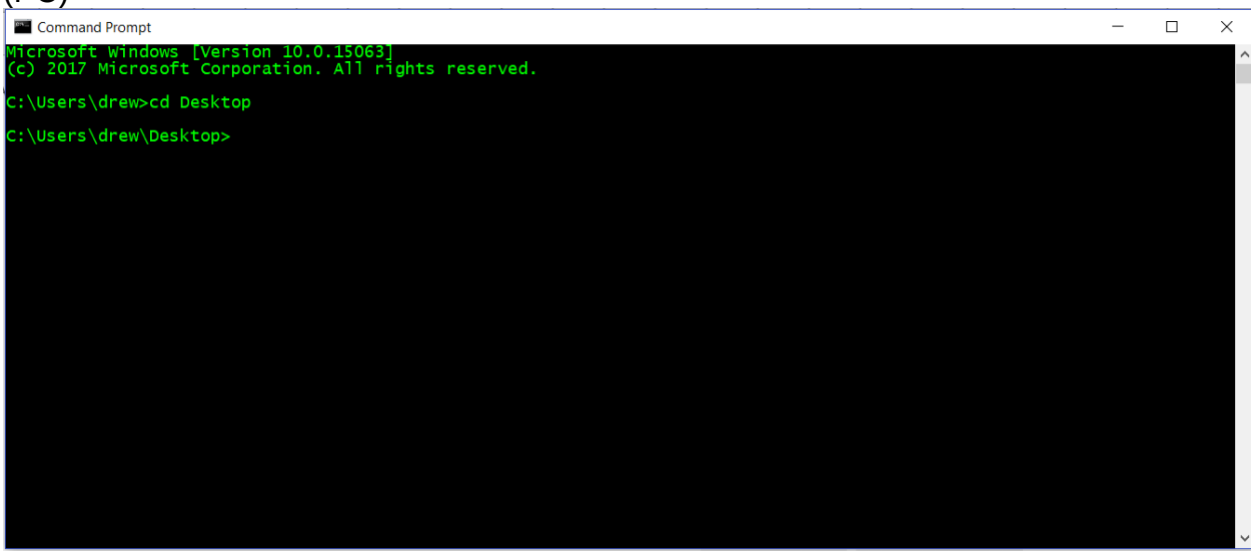
4. Now we open the application Terminal (MAC) or Command Prompt (PC)



5. Type this command: **cd Desktop**
(MAC)

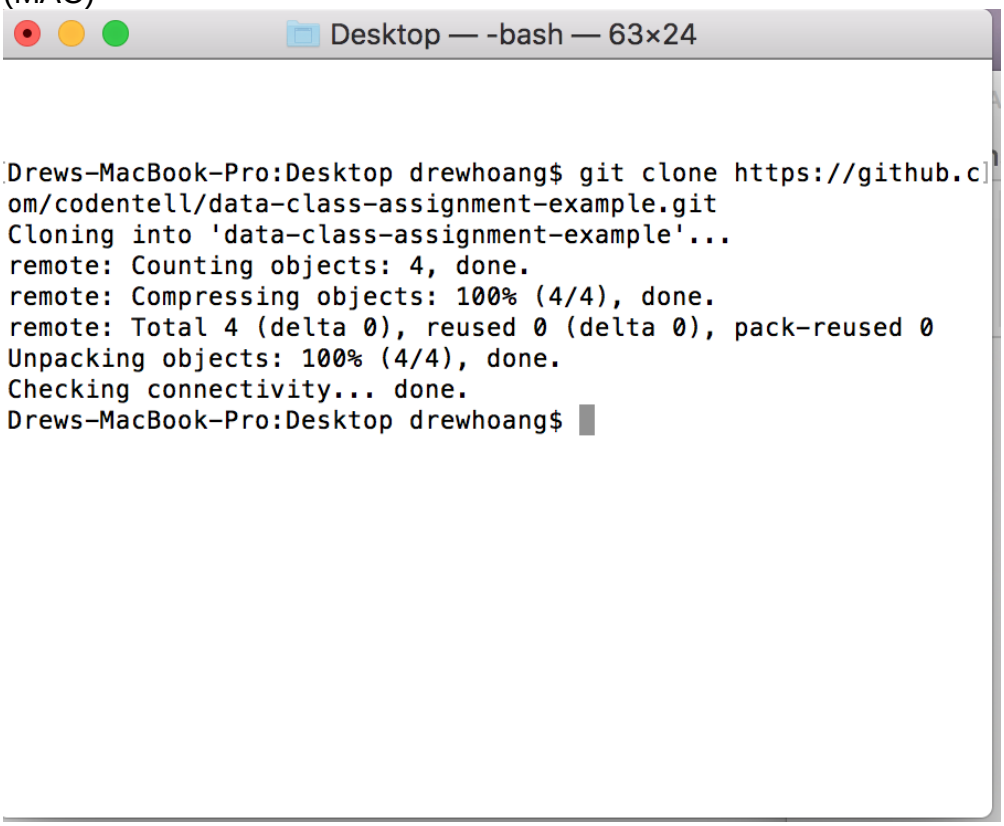


(PC)

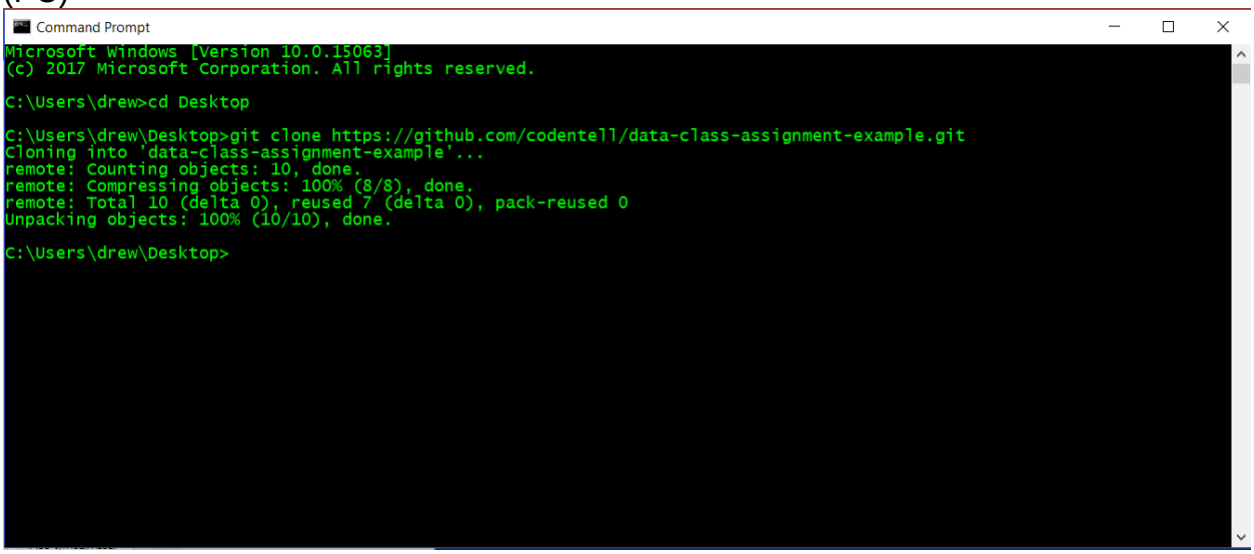


6. Once you are in Desktop you want to type: **git clone <repository-url>**
   Note: the repository-url is the link we got from the clipboard button in step 2
   So it will look like the image below:

(MAC)



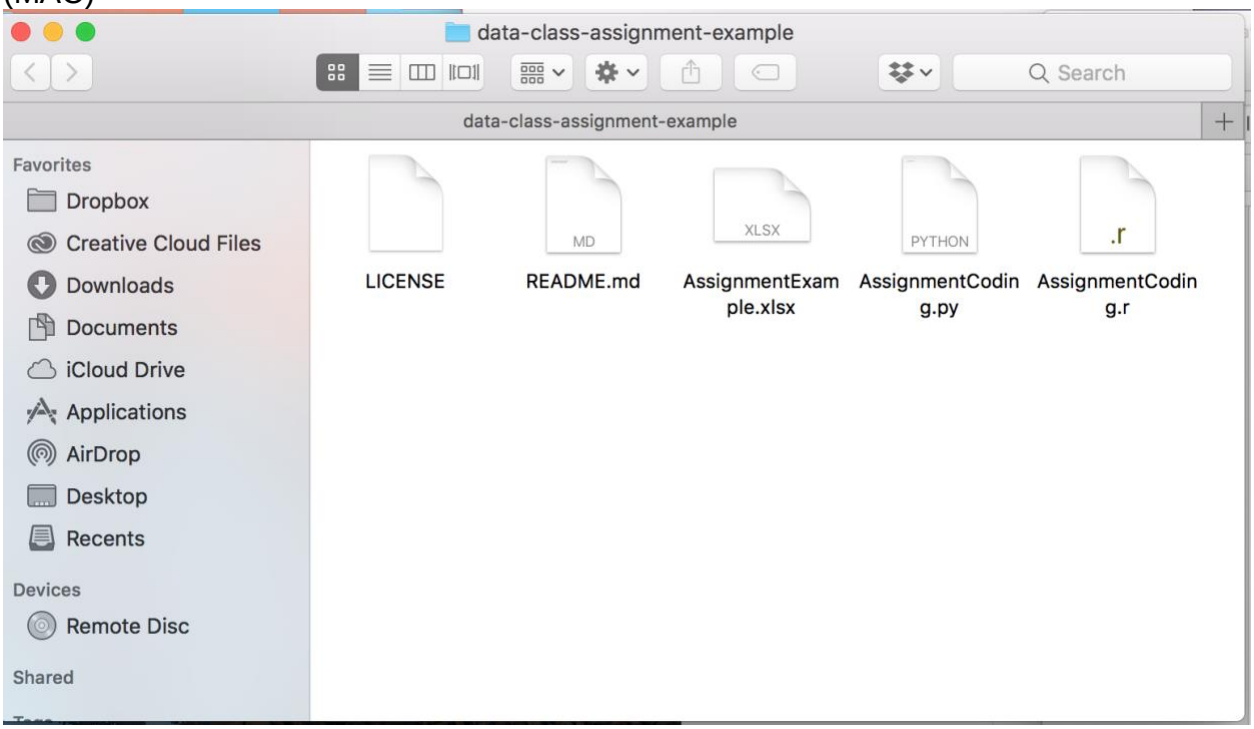
(PC)



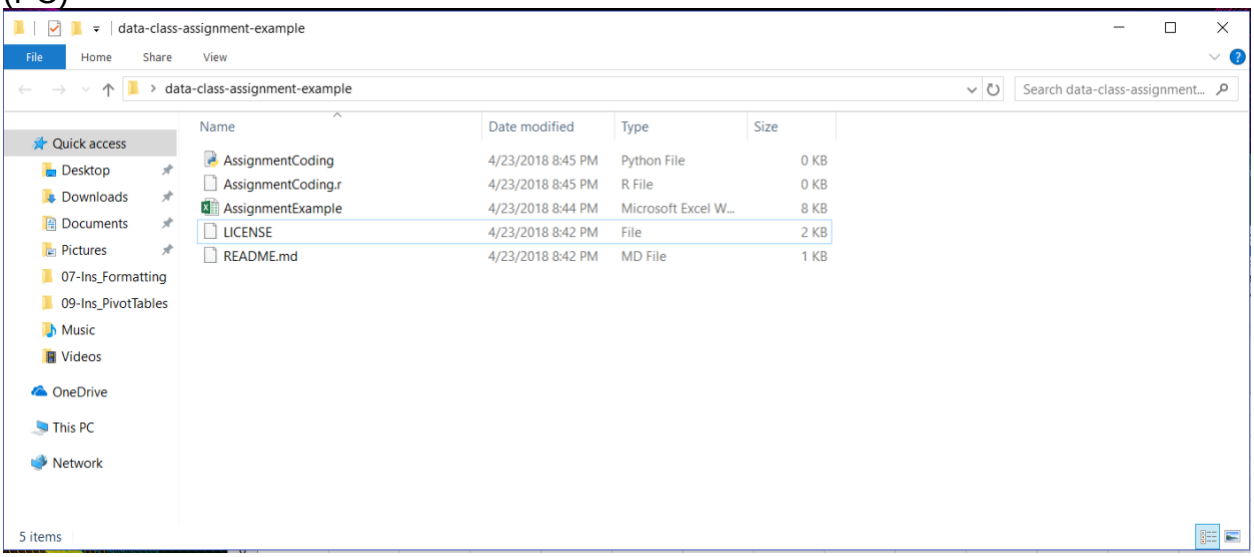
7. Now check the Desktop and see if the folder is created.

8. Now let's add files to the our Repository. Example I added three files.

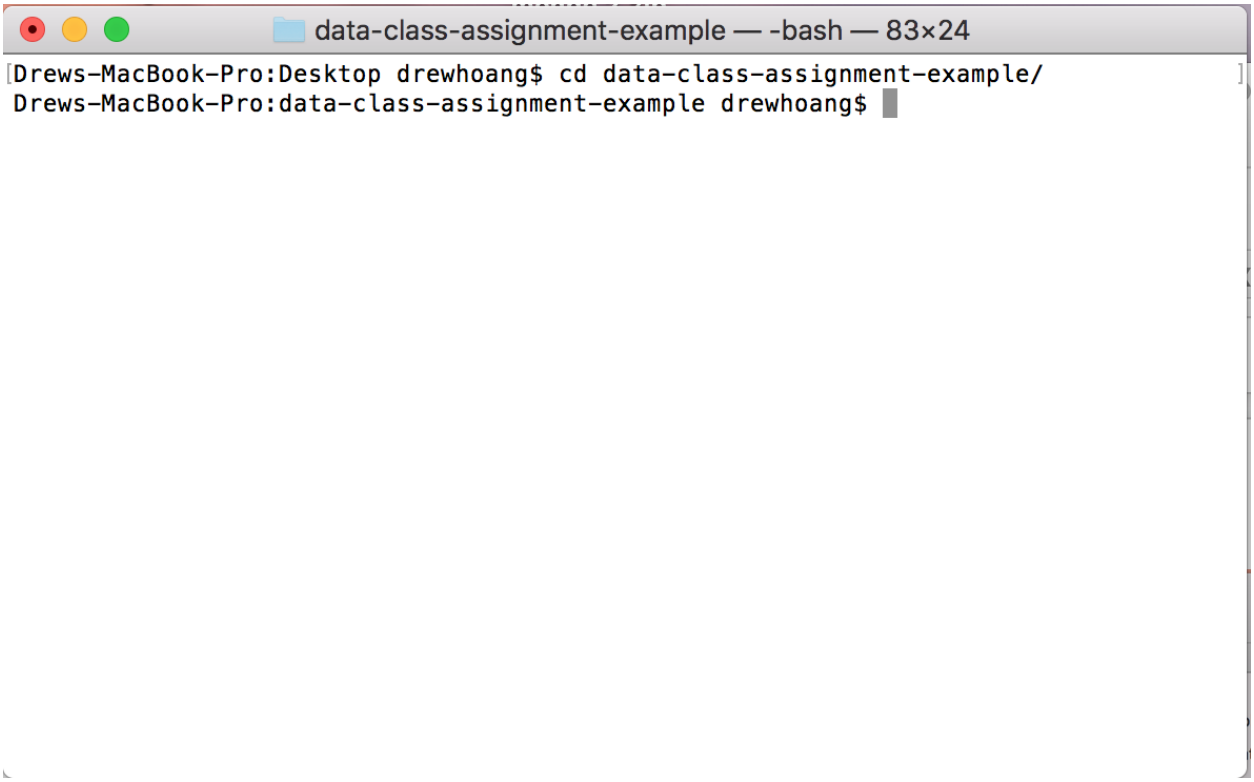
(MAC)



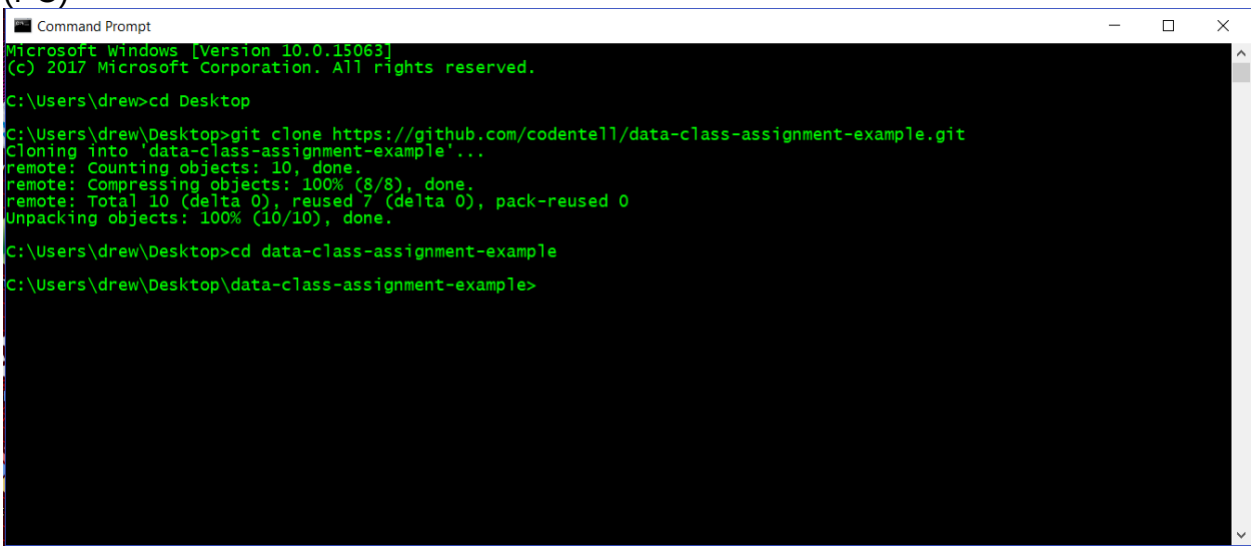
(PC)



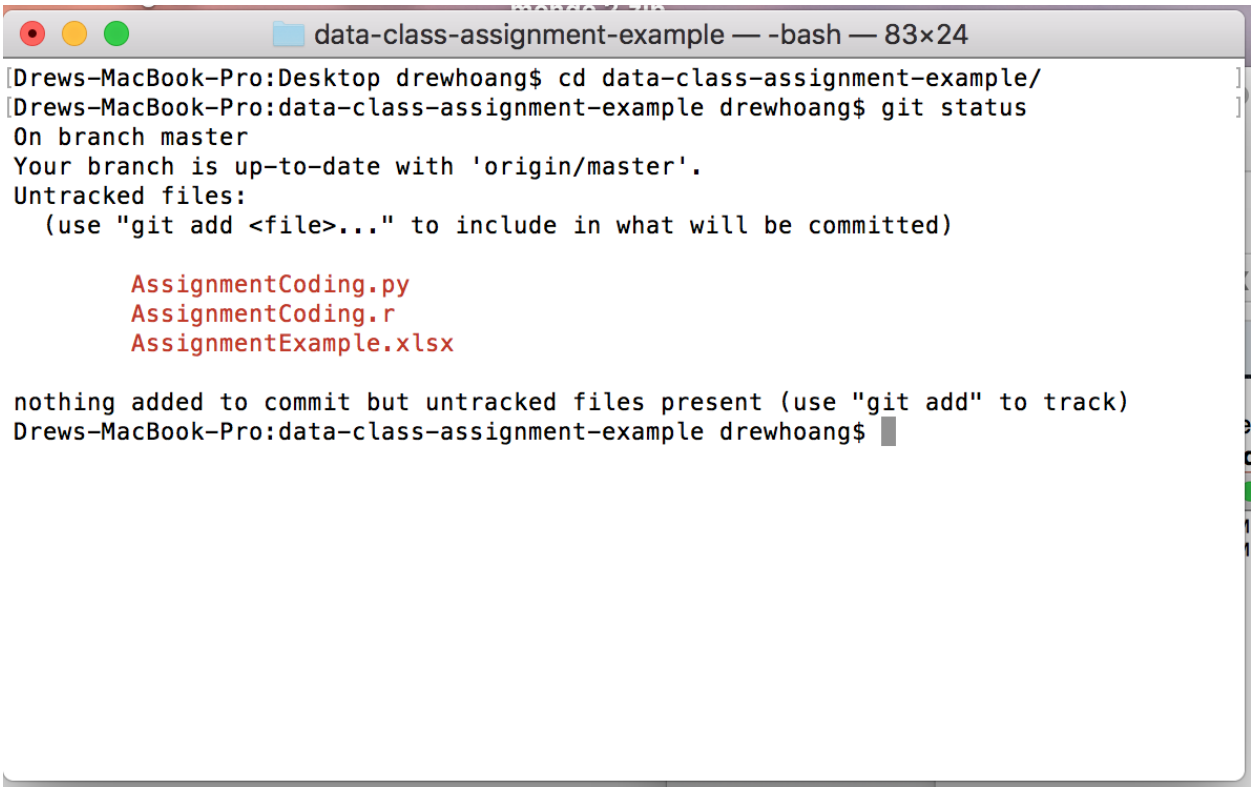
9. In the terminal or command prompt we want to go to the repository root so type this command:
   cd <folder name>
   (MAC)



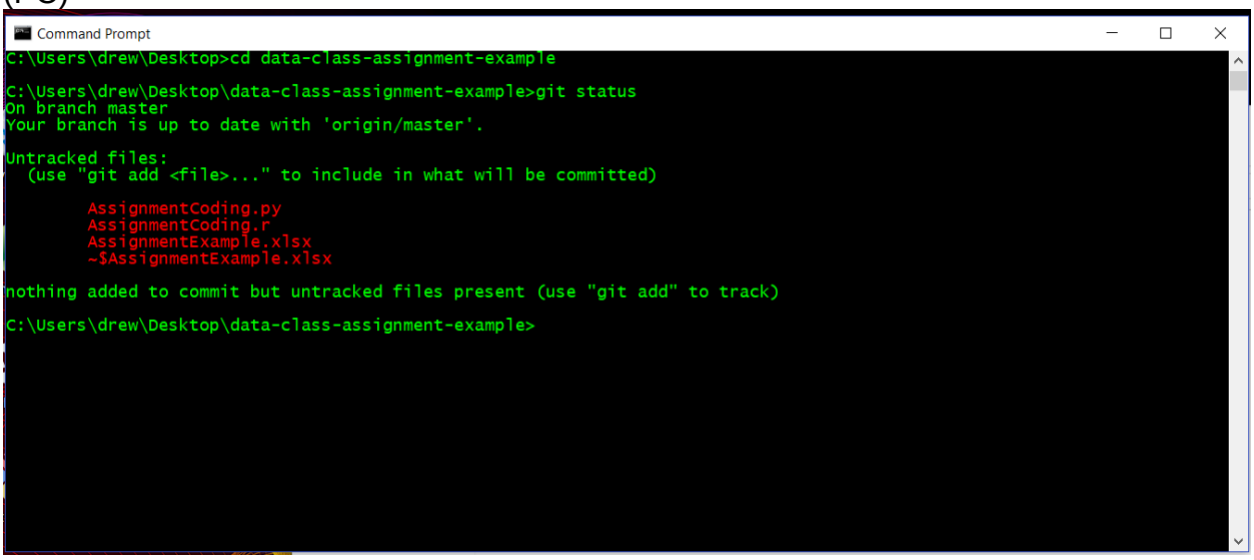
(PC)



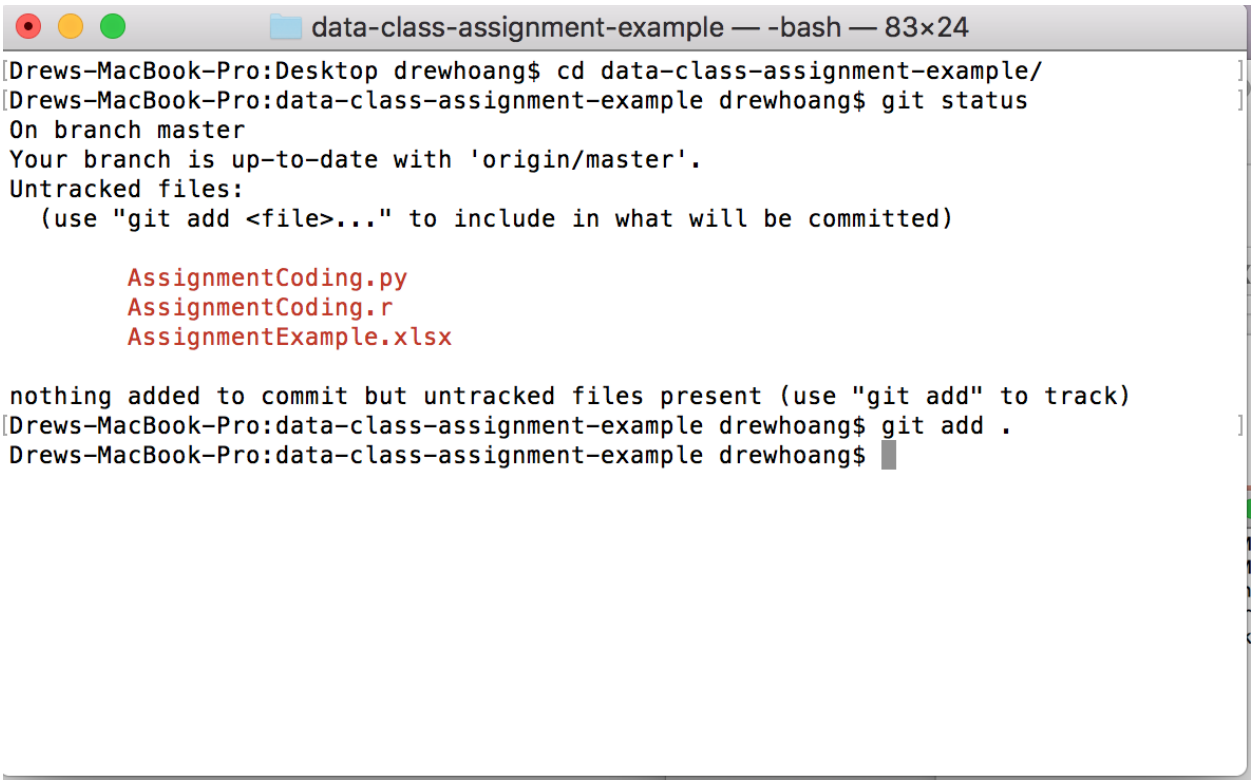
10. In the terminal or command prompt we want to see the status. So type this command: **git status**
    (MAC)



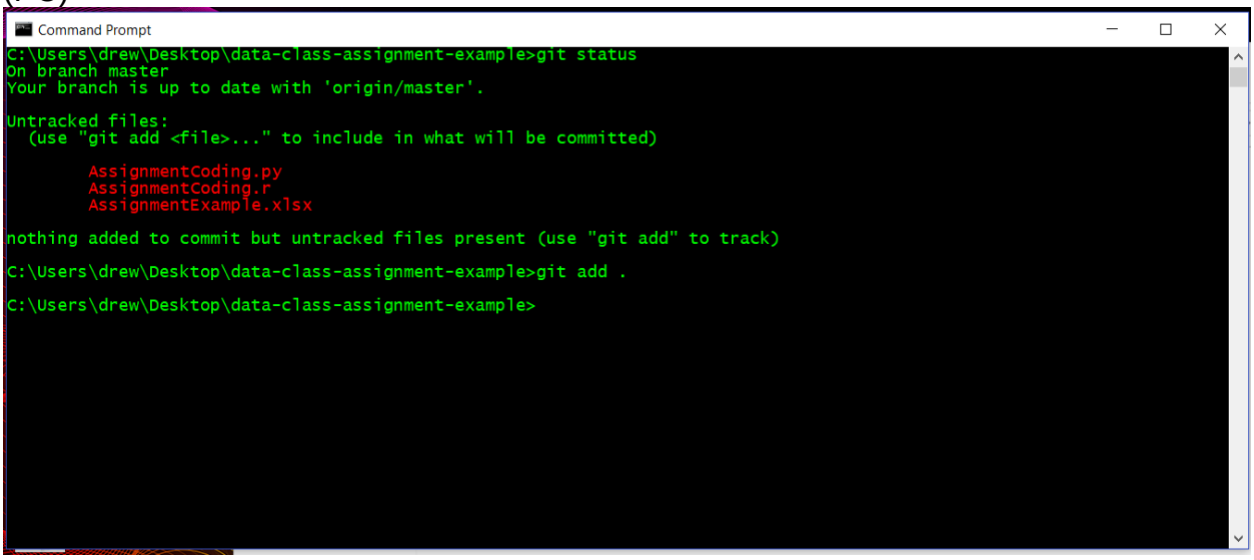
(PC)



11. Then we want to add the changes in red so type the command: **git add .**
(MAC)

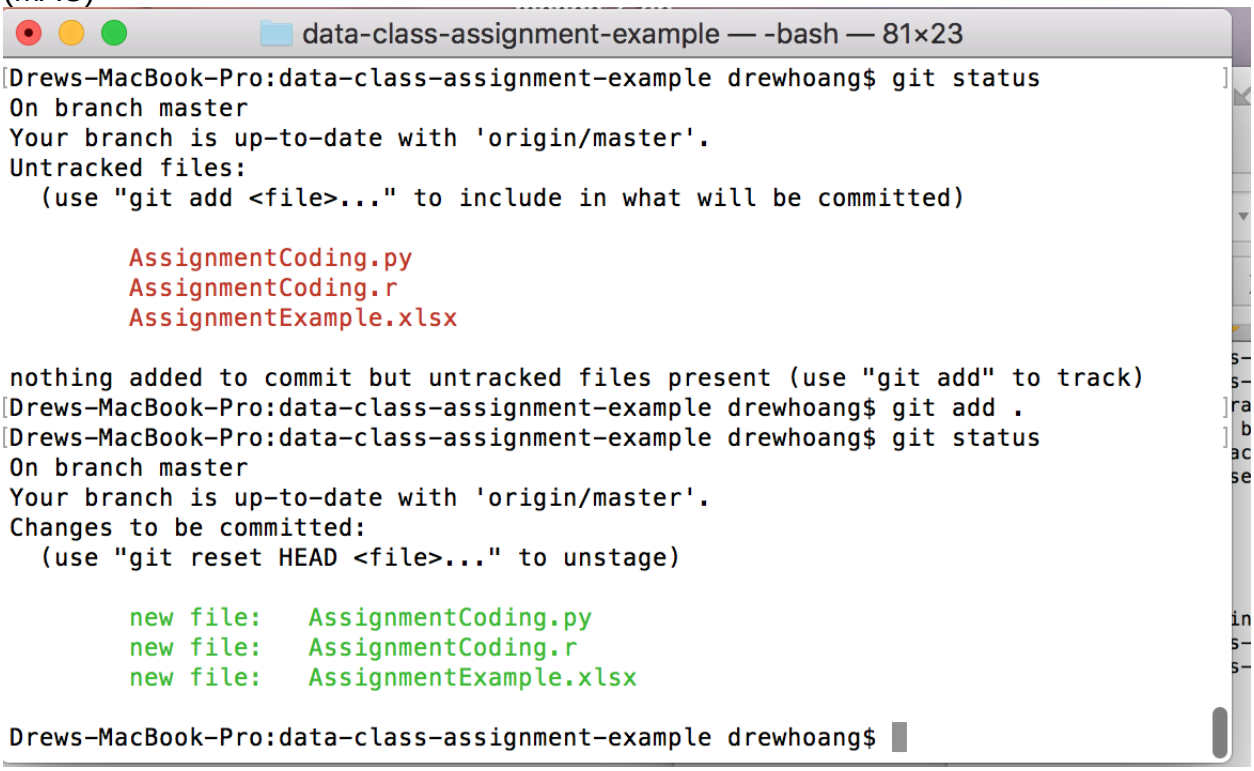


(PC)

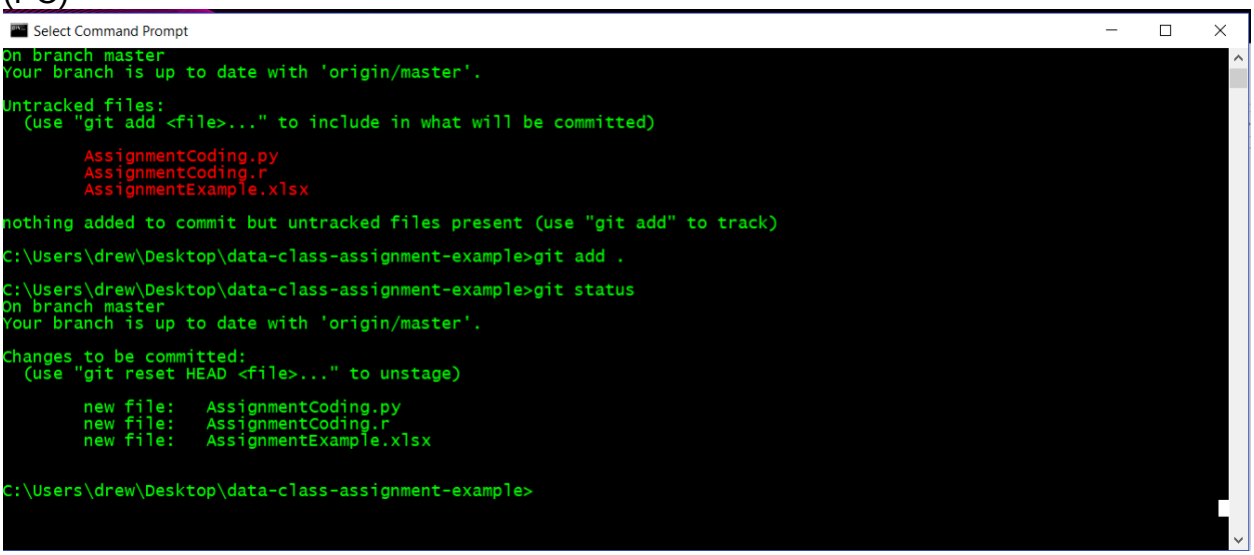


12. Then type the command **git status** to see your changes being approved in green

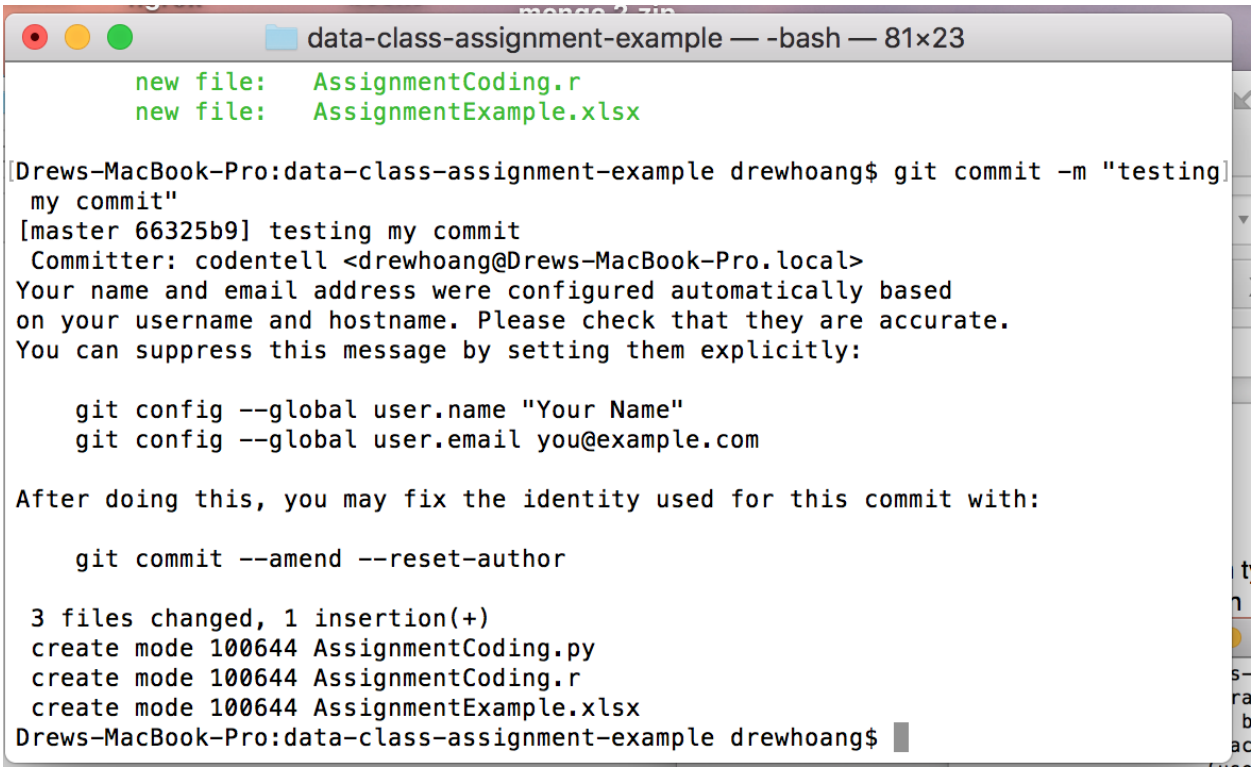
(MAC)



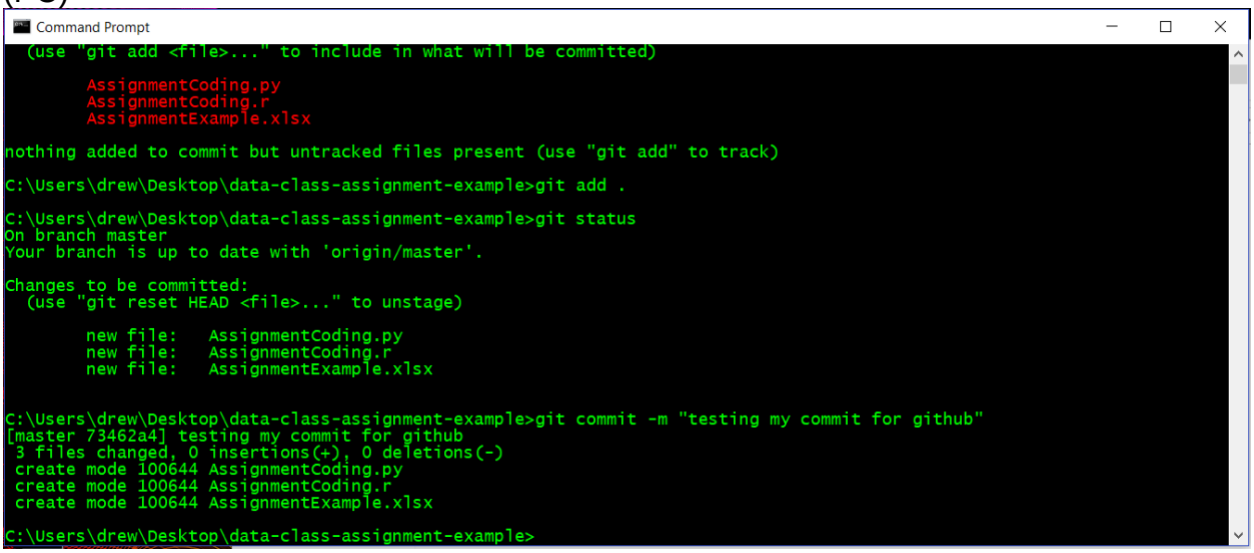
(PC)



13. Then we must make our commit to indicate what we have done so far type the command**: git commit -m "<message of your commit>"**
(MAC)

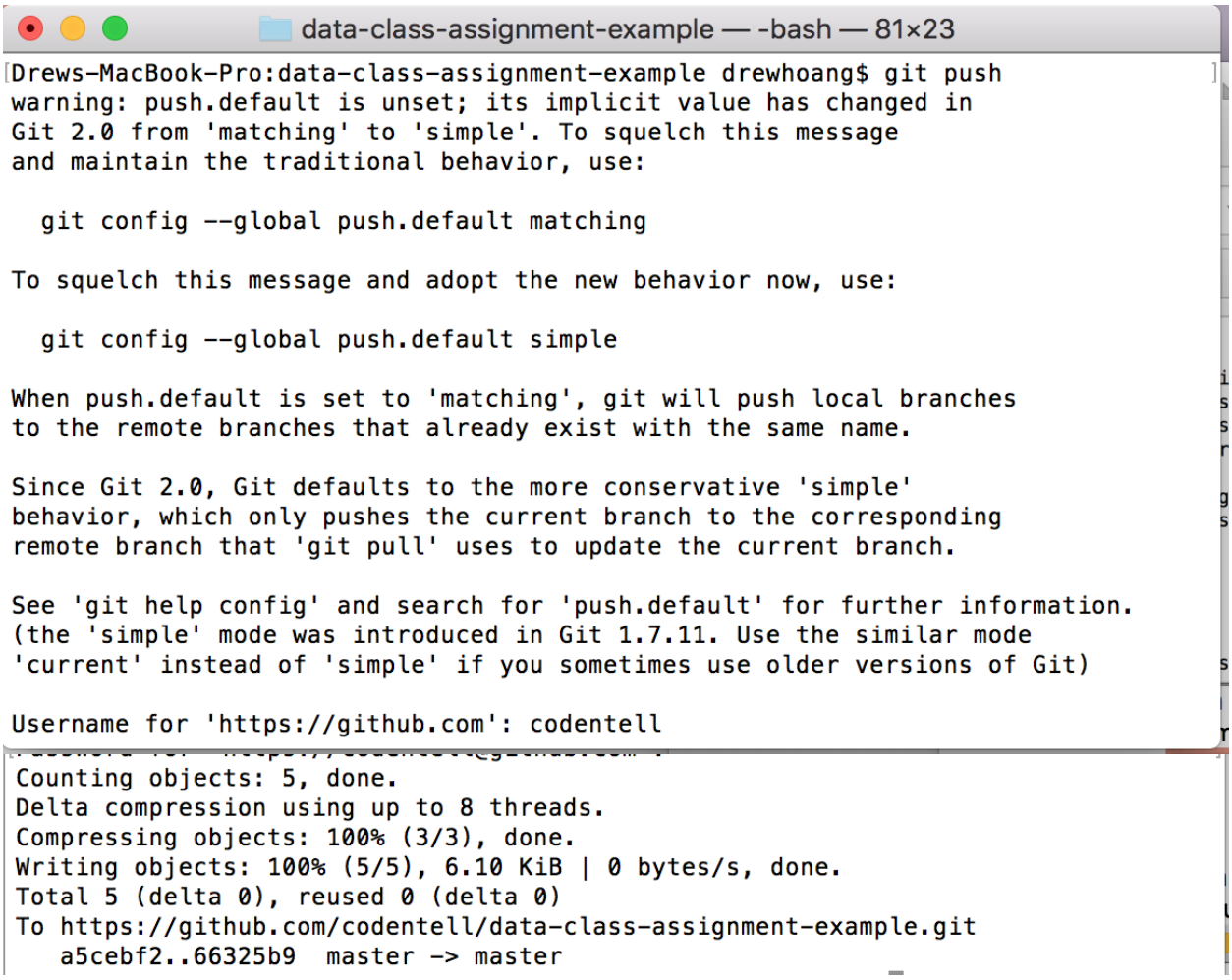


(PC)

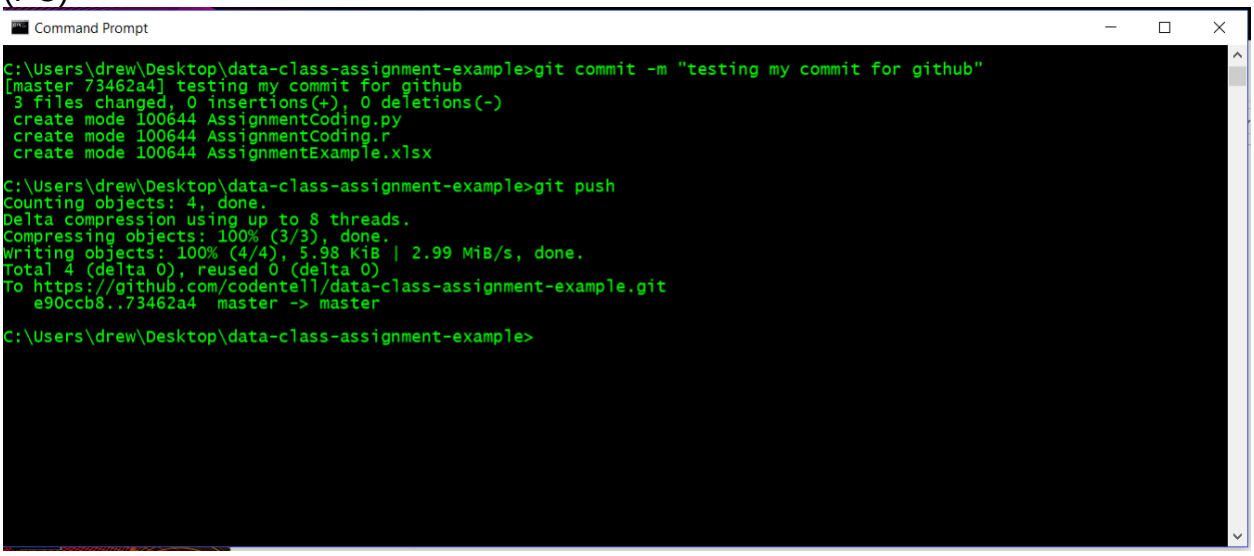


14. Then we push all our changes to github where it will be shown in your github account so type the command: **git push**

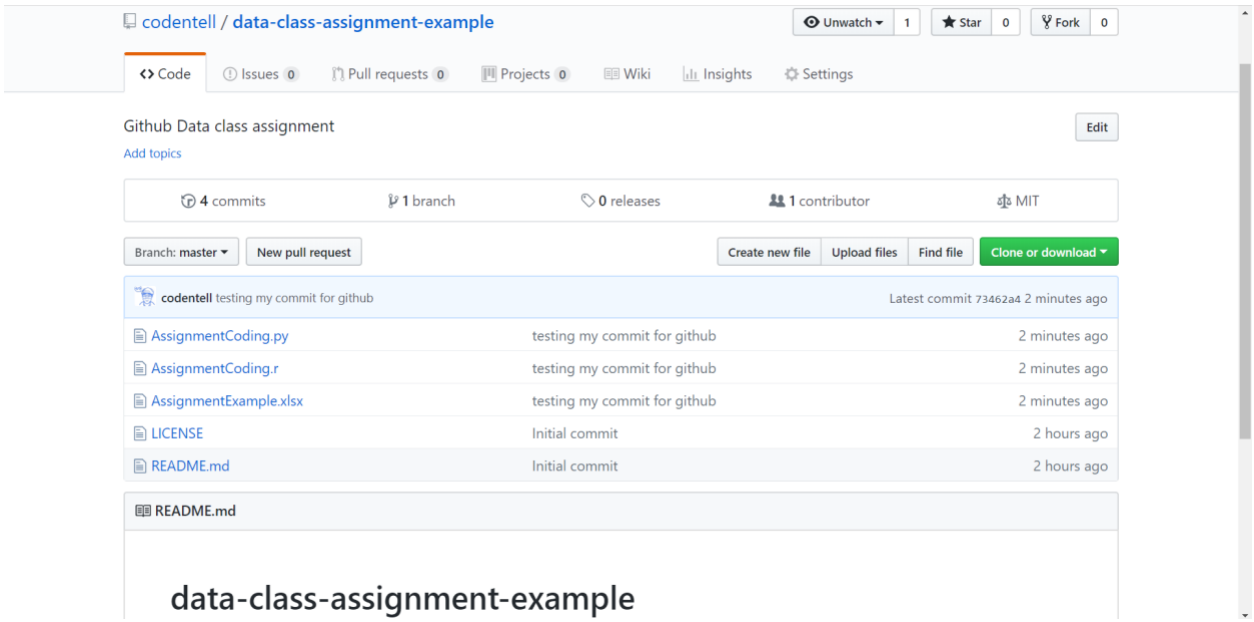
    (MAC)



(PC)



15. Finally check your github account to see what you uploaded.


codentell / data-class-assignment-example
Unwatch 1
Star 0
Fork 0
Code
Issues 0
Pull requests 0
Projects 0
Wiki
Insights
Settings
Github Data class assignment
Edit
Add topics
4 commits
1 branch
0 releases
1 contributor
MIT
Branch: master
New pull request
Create new file
Upload files
Find file
Clone or download
codentell testing my commit for github
Latest commit 73462a4 2 minutes ago
AssignmentCoding.py testing my commit for github 2 minutes ago
AssignmentCoding.r testing my commit for github 2 minutes ago
AssignmentExample.xlsx testing my commit for github 2 minutes ago
LICENSE Initial commit 2 hours ago
README.md Initial commit 2 hours ago
README.md
data-class-assignment-example