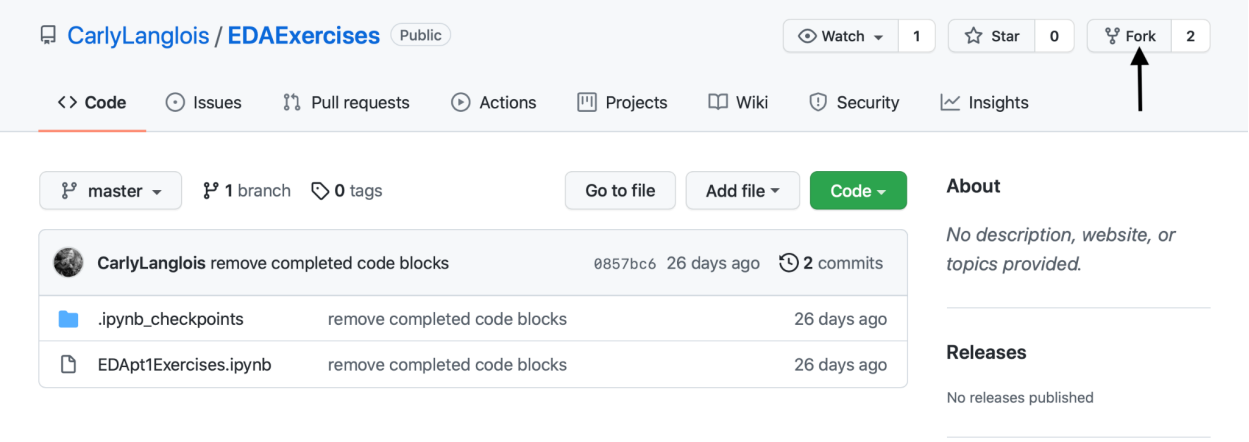
**Welcome to Git!**

Git is the most common version control system used in the tech industry today. After Assignment 1(submitted in Replit), you will submit your exercises, studios and assignments using Github.

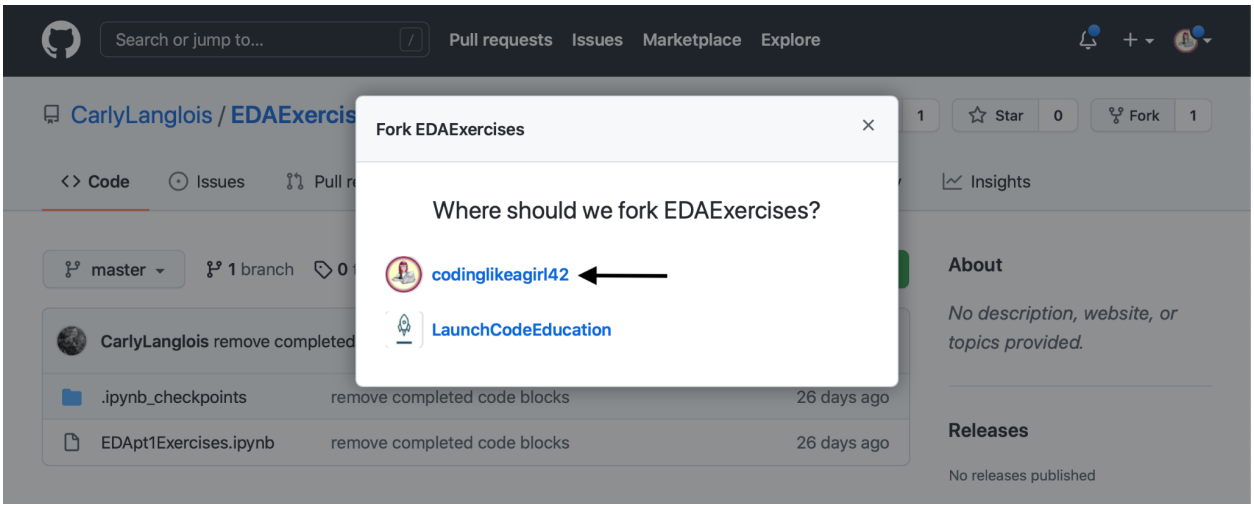
This will help your mentors access your code more easily and will help you practice a valuable industry skill.

Set up your own Github account here or if you already have an account sign in here.

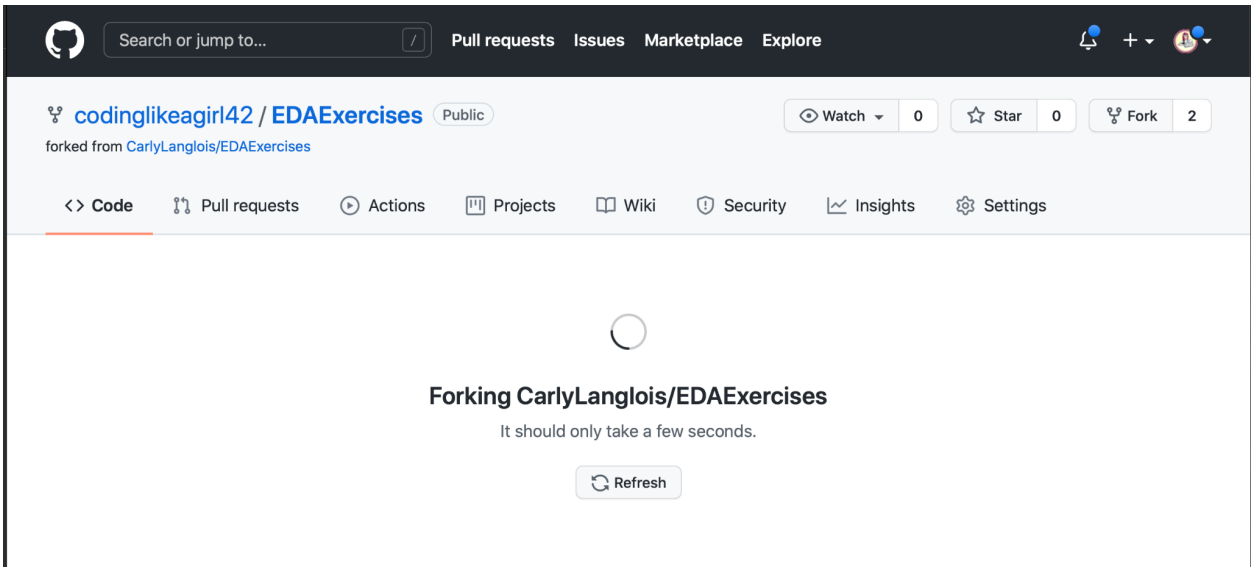
When you click a link to the git notebooks in the  instructions, it will take you to the repository page and will look something like this.

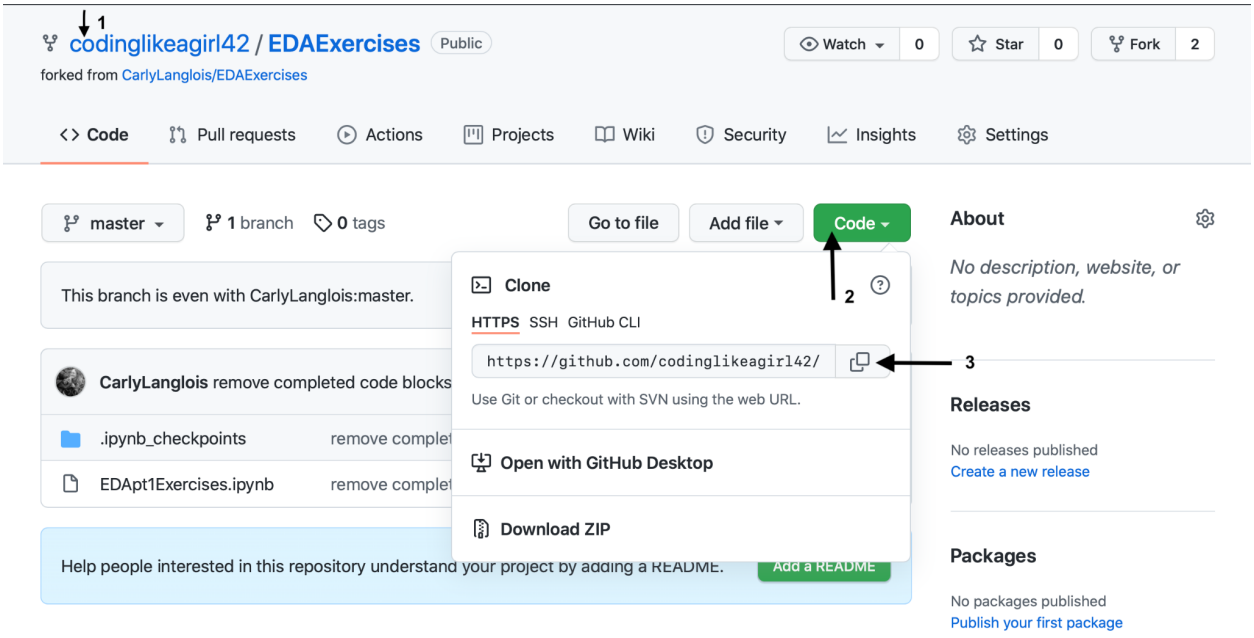



In the upper right corner your will see the fork button, when you click it you will then see this:




Choose your account and then you'll see:




1. Notice that instead of CarlyLanglois/EDAExercises the repo has your name now .
2. Next step is to click on the Code button
3. Copy the link to your repo (Clone)

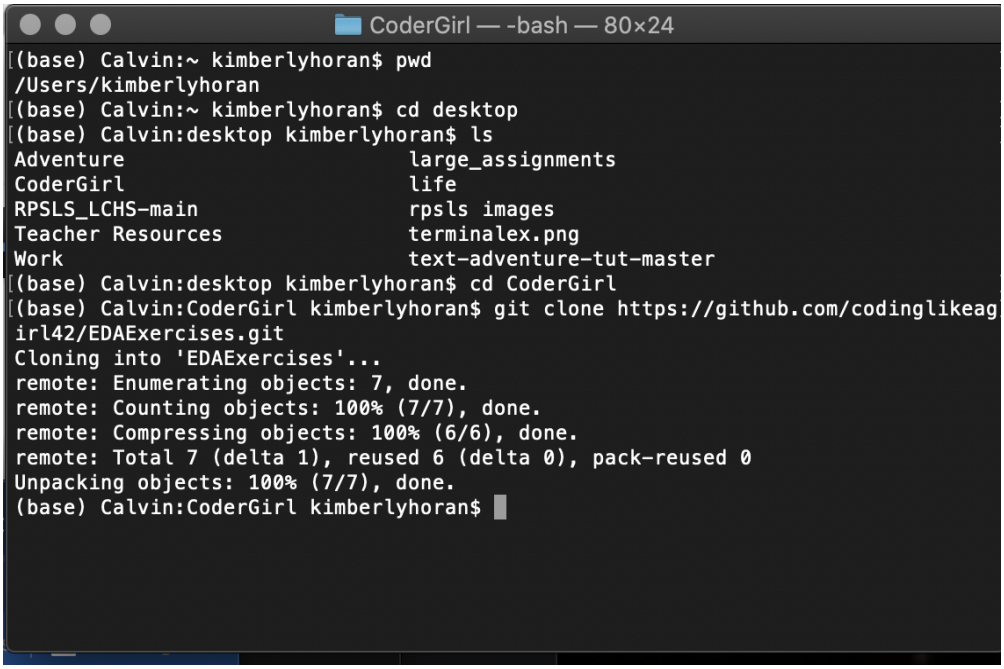
Next open the terminal on your computer and navigate to the folder where you will keep all your work for this class. To make things easier I created a CoderGirl folder on my desktop.

Some command line prompts to help you:

- pwd - tells current directory , where you are
- ls - list everything in current directory
- cd - changes directory
- mkdir- makes folder
- cd .. - cd space two period will take you up one level in the directory

I ran the following commands to navigate into and create a new folder(directory) for the assignment.

| **Command Line Prompt:** | **Reason Why:** |
|---|---|
| pwd | First I want to see where i was |
| cd desktop | Then switch directory to desktop |
| ls | Ran ls to list contents |
| cd Codergirl | Switch to Codergirl folder |
| git clone <github url> | (paste link you copied earlier) |




*Note: If you would like a more detailed description of the terminal visit here.

Now open your notebook in Juypter Notebooks.

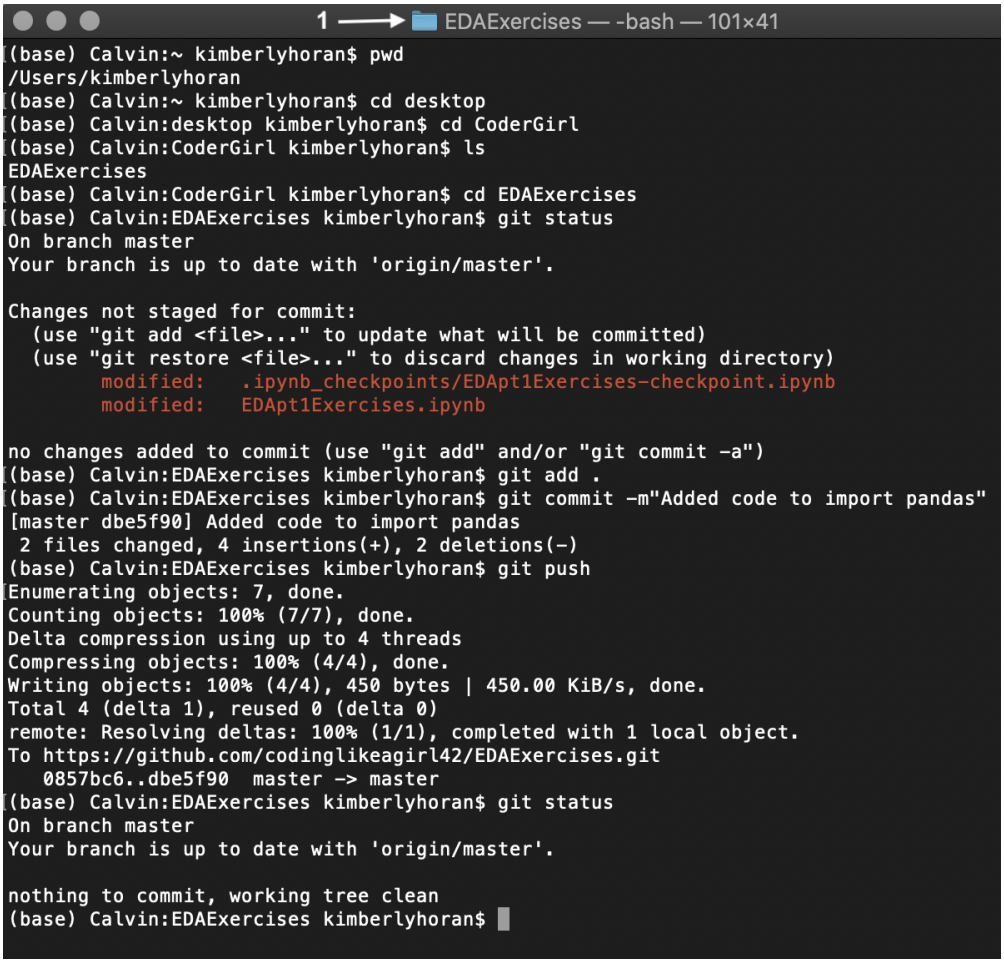
After you have made changes to your notebook and saved them you will want to push those changes back up to github.

In the terminal again navigate to your project.

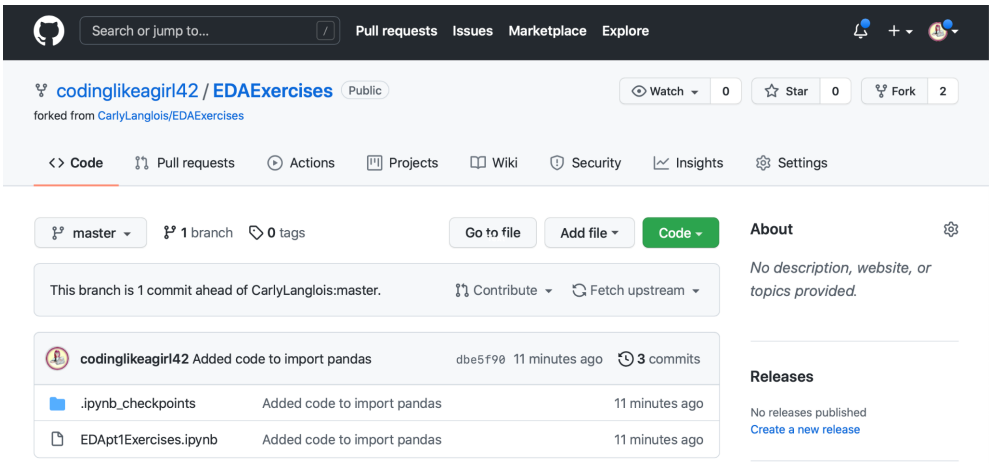
*Hint: Notice in the terminal photo below at the top labeled 1: Easy way to check you're in the right folder.

There are three steps used to commit changes to your git repository and a final step to push up to your repository on github.

| **Command Line Prompt:** | **Reason Why:** |
| --- | --- |
| git status | Gives us information about files that have been changed. |
| git add . | Adds all the files that have changed to the commit, there is a space between add and the period(don't forget the period) |
| git commit -m "MESSAGE" | Creates the new commit, the message should describe the changes made to the files. |
| git push | Pushes changes from your local repository up to your repository on GitHub |
| git status | Checks to see your were successful.<br><br>Should say:<br>Your branch is up to date with 'origin/master'.<br>nothing to commit, working tree clean |



Now when you check your github repository, you will see the update.




*Note: See this link for a more detailed explanation of Git.

When you are ready to submit your assignment copy the link to your repository on github and paste it into the submission box and hit submit.