

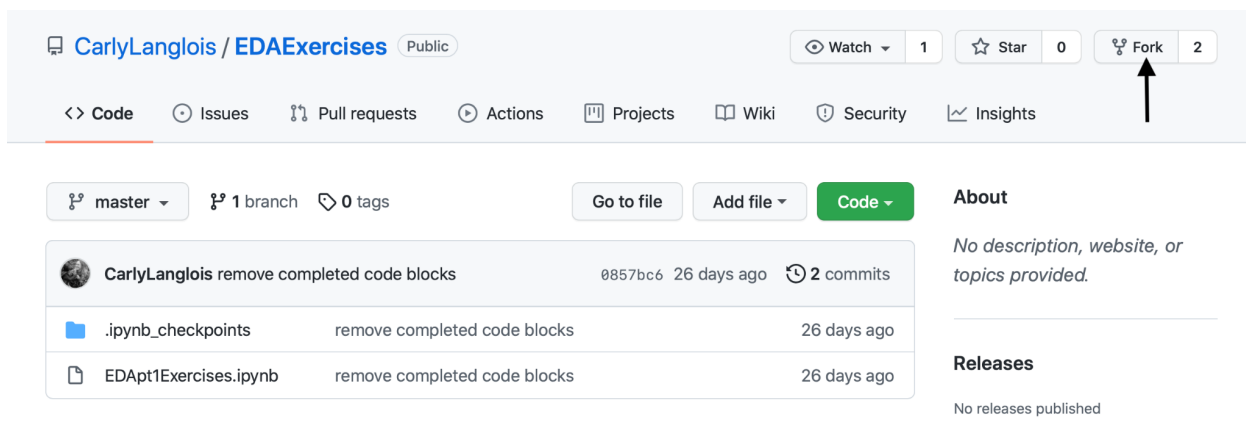
Welcome to Git!

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.

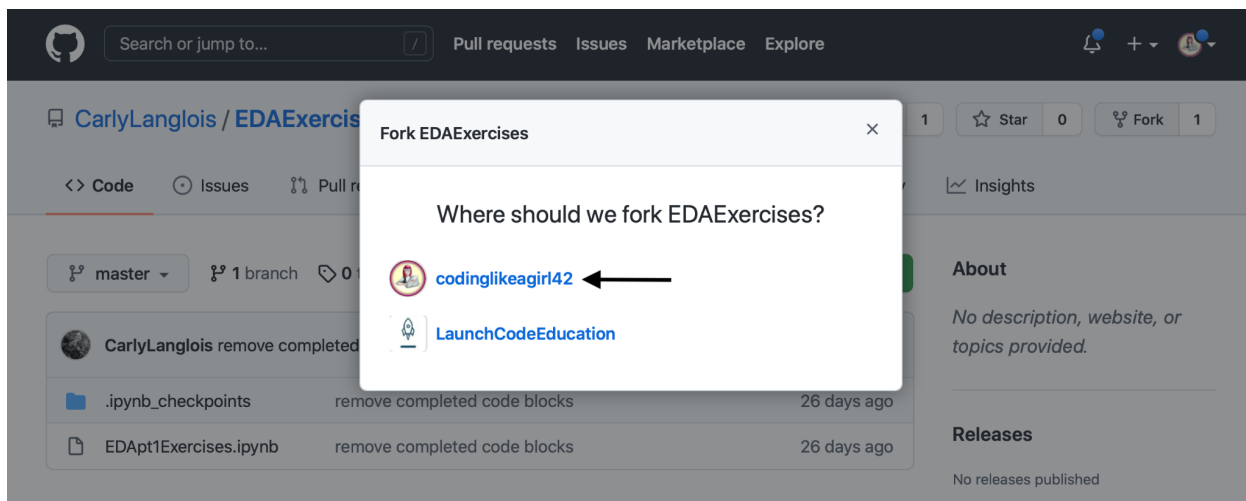
This will help your mentors access your code more easily and will help you practice a valuable industry skill.

Set up your own Github account [here](#) or if you already have an account [sign in](#) here.

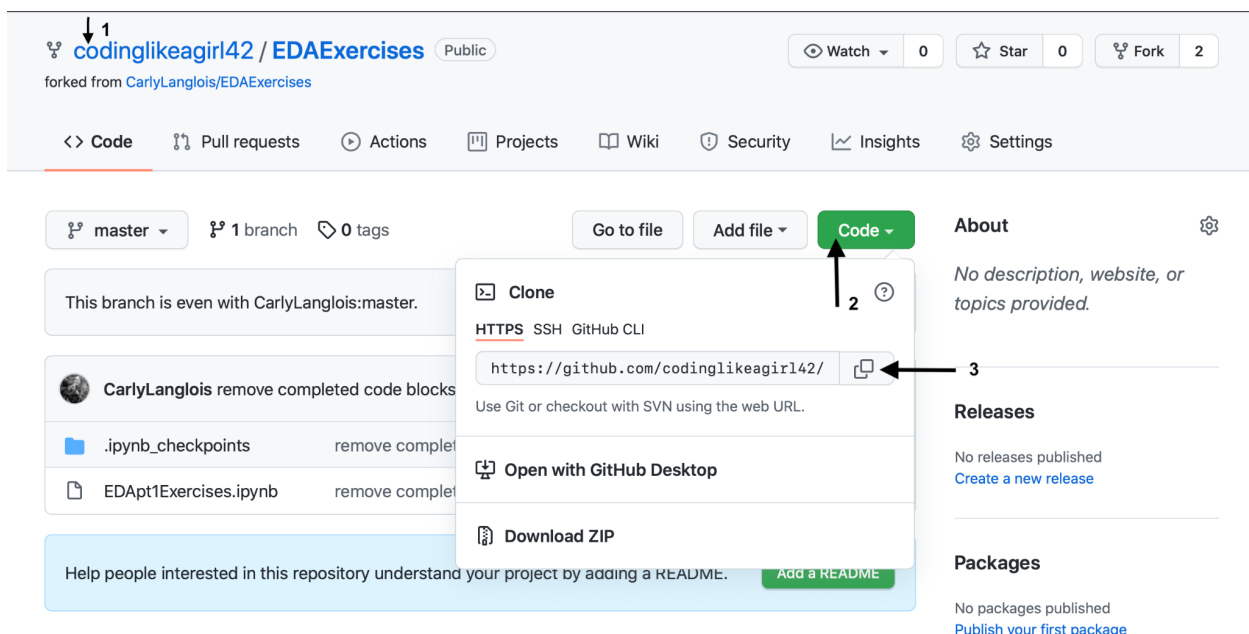
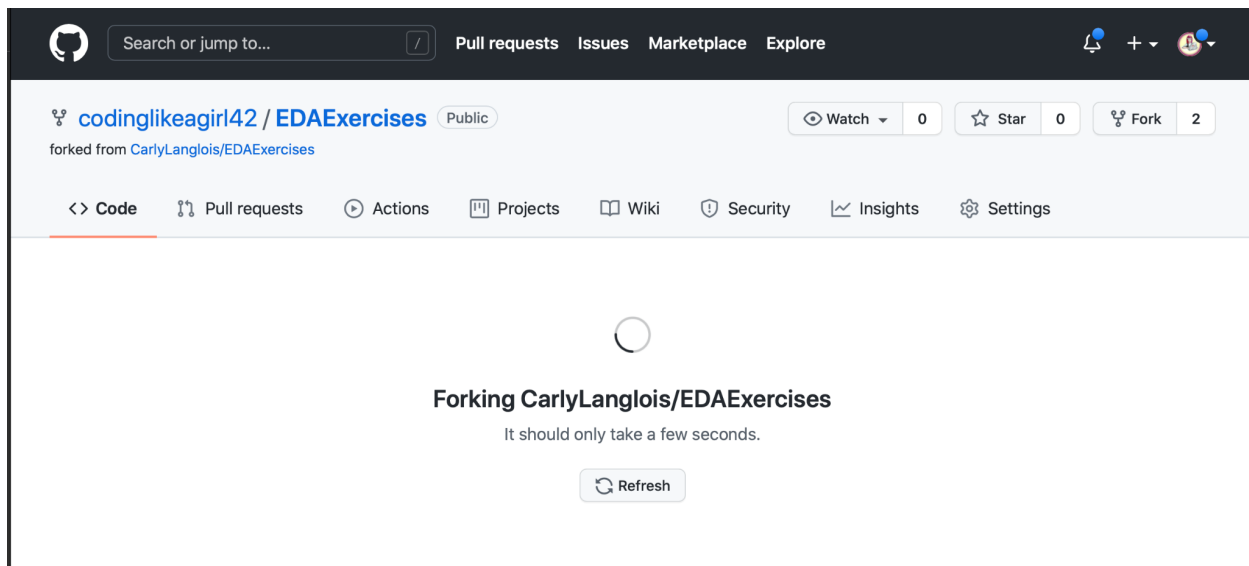
When you click a link to the git notebooks in the instructions, it will take you to the repository page and will look something like this.



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.

<u>Command Line Prompt:</u>	<u>Reason Why:</u>
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)

```

((base) Calvin:~ kimberlyhoran$ pwd
/Users/kimberlyhoran
((base) Calvin:~ kimberlyhoran$ cd desktop
((base) Calvin:desktop kimberlyhoran$ ls
Adventure          large_assignments
CoderGirl          life
RPSLS_LCHS-main    rpsls images
Teacher Resources  terminalex.png
Work               text-adventure-tut-master
((base) Calvin:desktop kimberlyhoran$ cd CoderGirl
((base) Calvin:CoderGirl kimberlyhoran$ git clone https://github.com/codinglikeag
irl42/EDAExercises.git
Cloning into 'EDAExercises'...
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 7 (delta 1), reused 6 (delta 0), pack-reused 0
Unpacking objects: 100% (7/7), done.
((base) Calvin:CoderGirl kimberlyhoran$

```

*Note: If you would like a more detailed description of the terminal visit [here](#).

Now open your notebook in Jupyter 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:

git status

Reason Why:

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.

Should say:

Your branch is up to date with 'origin/master'.
nothing to commit, working tree clean

```
1 → EDAExercises — -bash — 101x41
(base) Calvin:~ kimberlyhoran$ pwd
/Users/kimberlyhoran
(base) Calvin:~ kimberlyhoran$ cd desktop
(base) Calvin:desktop kimberlyhoran$ cd CoderGirl
(base) Calvin:CoderGirl kimberlyhoran$ ls
EDAExercises
(base) Calvin:CoderGirl kimberlyhoran$ cd EDAExercises
(base) Calvin:EDAExercises kimberlyhoran$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   .ipynb_checkpoints/EDAp1Exercises-checkpoint.ipynb
        modified:   EDAp1Exercises.ipynb

no changes added to commit (use "git add" and/or "git commit -a")
(base) Calvin:EDAExercises kimberlyhoran$ git add .
(base) Calvin:EDAExercises kimberlyhoran$ git commit -m"Added code to import pandas"
[master dbe5f90] Added code to import pandas
 2 files changed, 4 insertions(+), 2 deletions(-)
(base) Calvin:EDAExercises kimberlyhoran$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 450 bytes | 450.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/codinglikeagirl42/EDAExercises.git
   0857bc6..dbe5f90  master -> master
(base) Calvin:EDAExercises kimberlyhoran$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
(base) Calvin:EDAExercises kimberlyhoran$
```

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

The screenshot shows the GitHub interface for a repository named 'codinglikeagirl42 / EDAExercises'. The repository is public and was forked from 'CarlyLanglois/EDAExercises'. It has 0 watches, 0 stars, and 2 forks. The main navigation bar includes links for Code, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The repository is currently on the 'master' branch, which is 1 commit ahead of the upstream 'CarlyLanglois:master'. The commit history shows three commits, all made 11 minutes ago, adding code to import pandas. The files listed are '.ipynb_checkpoints' and 'EDAp1Exercises.ipynb'. The 'About' section is empty, and the 'Releases' section shows no published releases.

File	Commit Message	Time
.ipynb_checkpoints	Added code to import pandas	11 minutes ago
EDAp1Exercises.ipynb	Added code to import pandas	11 minutes ago

*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.