Git Cheat Sheet

git init

Create a new git project on your computer. Use this when you are starting a brand new project

git status

Shows you the status of your files which includes if they are:
- added/not added
- tracked/ not tracked

git add

Adds files to a commit. There are three ways of adding:
- git add filename.txt
- git add folder_name
- git add .

git commit -m "Hello world"

Creates a commit for the files that have been added. The example here has a commit message of hello world. Be sure to change that to a explanation of your file changes.

git push

Moves the files from your computer to Github. **NOTE:** only the files that were added to a commit are pushed to Github

git pull

Grabs the latest file changes from Github, and brings them down to your computer. Also used when you want to get a new branch from Github.
NOTES
- It will only bring down the files from the branch that you are on

git checkout main

Used to switch between branches. In the example we are attempting to switch from our current branch to the main branch.

How to get your files from your computer to Github

I am assuming here that the project on your computer has already been connected to a Github repo. If this is not true, follow the instructions given to you on Github when you create a new repo.

The general flow of moving files looks like this

git add $\longrightarrow$ git commit $\longrightarrow$ git push

Lets look at an example. Lets say that I create a new folder named scripts in my project. Since I just created it, the folder does not exists on Github. Only on my computer. I want to move this folder from my computer to Github. Lets use the git commands to get this done.

1. Add the folder to a commit
git add scripts

2. Create a commit for the folder
git commit -m "Added a new folder named scripts"

3. Push the commit you created in the last step to Github
git push