

Simple Github Commands and Instructions (CS2400)

To clone a repository from yourself or another user on GitHub to your machine to download and work / edit code, do the following below:

- 1.) Go to the designated repository you would like to clone to your machine
- 2.) On the top right-hand side of the page you will see a green button titled, "Clone or download"
- 3.) Click on the green button
- 4.) Then, copy all of the URL given in the text box on the bottom
- 5.) Next, go open up your Terminal application
- 6.) "cd" to the location you wish to clone the repository to
- 7.) Type in the command, "git clone (paste the URL)"
- 8.) Finally, "ls" to locate the URL and then "cd" to that specific location
- 9.) Once in the repository, type "ls" to view all the code within the repository
- 10.) If you so desire to edit or modify a file, type "code (file name)" and vscode will open by default to edit the file (only works with Ubuntu machines in Stocker Center)

To add a specific file you have been working on to a repository, do as such:

- 1.) Go into the location of the repository you would like to upload to using the "cd" command within your Terminal application
- 2.) Once inside the repository on your machine, type "git add (file name)"
- 3.) Next, type "git commit -m "(message that will be displayed on GitHub)"
- 4.) Finally, type "git push" and the file will be uploaded to the repository on the GitHub.com website
- 5.) To check the status of the upload to see if anything went wrong, just type "git status" and a message will display. If all went well, a message will state "You are up to date with the master branch"

**** It is a very important skill to learn to upload code edits often to GitHub. By using current uploads, you as a programmer can go back to previous commits and look at previous versions of your code if something is going wrong or not working the way you would like. You can also use this tool to work on a piece of code with other users and collaborate with other students to work on projects ****