Basic Git & GitHub commands

**Clone a repository:***- git clone [url]  
This command will do the following:  
1) Add a new folder with the repository name  
2) Initialize it as Git repository  
3) A remote named origin is created, pointing to the URL you cloned from  
4) All of the repository’s files and commits are downloaded there  
5) The default branch is checked out*

**Initialize a Git repository:***First right click in the folder and click “Git bash here”  
- git init*

**Add a remote location to local repository:***- git remote add origin [url]*

**Check current remote repository:***- git remote -v*

**Add file to remote repository:***1) git add “[file name]”  
2) git commit -m  
 - write commit message using “message here”  
3) git push origin [branch name]*

**Update local repository with changes from remote repository:***- git pull origin [branch name]*

**Remove file from remote repository:***1) git rm “[file name]”  
2) git commit -m  
 - write commit message using “message here”  
3) git push origin [branch name]*

**Create a new branch:***- git checkout -b “[new branch name]”*

**Switch branch:***- git checkout [branch name]*

**Check current branch:***- git branch*

**Merge branches:***Switch to the branch you want to merge into  
1) git merge [branch name]  
2) git commit -m  
 - write commit message using “message here”  
3) git push*

**Delete branches:***1) git branch -d [branch name]  
2) git commit -m  
 - write commit message using “message here”  
3) git push*