**Git notes**

**Intro**

* ‘$’ in documentation before a line shows that it is command line code.
* $ git config user.name (check username).
* A repository is a collection of files related to a software project
* Git tracks all changes made to a repo folder including new files, to a letter change.

**Creating a new repo**

* $mkdir <directory name> (make directory)
* $cd <directory name> (log into directory)
* $git init(initialize tell github to track the folder)
* $git status (make sure git is tracking it)

**Commit to the repo**

* $git status (Check the status)
* $git add <filename>
* $git commit -m “message”(-m is optional for leaving a message)
* $git diff (show the difference between the file now and the last commit)
* $git add . (add all changes to file)

**Create a remote repo and to sink with local repo**

* Go to the github.com website.
* Click the ‘+’ on the top right and create a repo
* Take the HTTPS link github gives you for the repo
* Add the git remote(main usually called the ‘origin’) $git remote add origin <URL FROM GITHUB>
* $git push origin master(Push work to remote)
* $git remote add <Remote Name> <URL> (add remote connections)
* $git remote set-url <remotename> <URL> (set a URL to a remote)
* $git pull <remotename> <branchname> (pull in changes)
* $git remote -v (view remote adresses)
* $git push <remotename> <branch> (push changes)

**Forks, clones, and branches**

* $git clone <URL>(clone a repo)
* $git branch <Branch name>(create a branch)
* $git checkout <Branch name>(go to branch)
* $git branch(list branches)