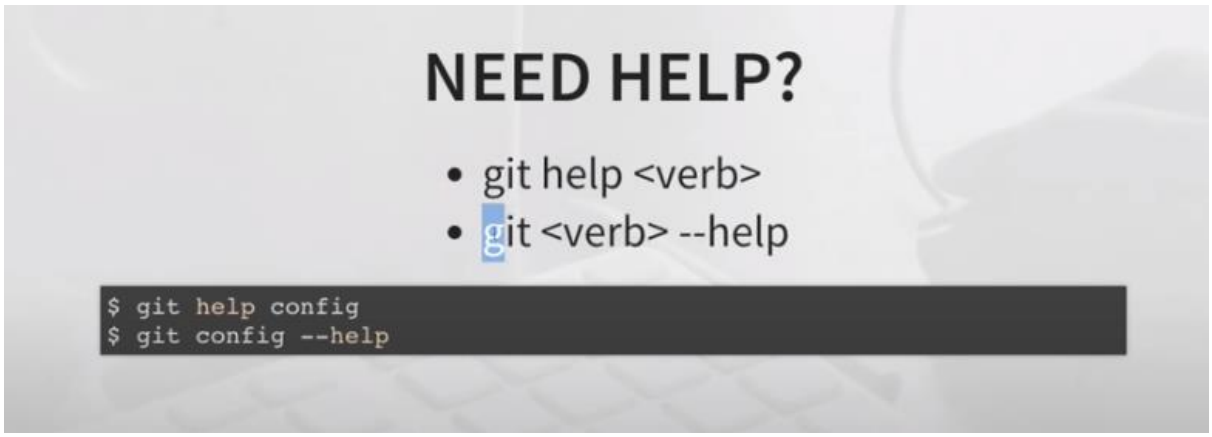
GIT COMMANDS

1. **Git setup**

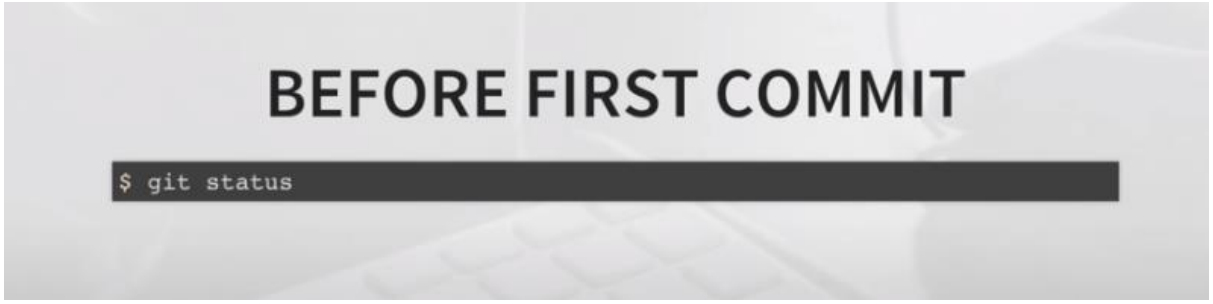
2. **Help**



3. **Initialize**

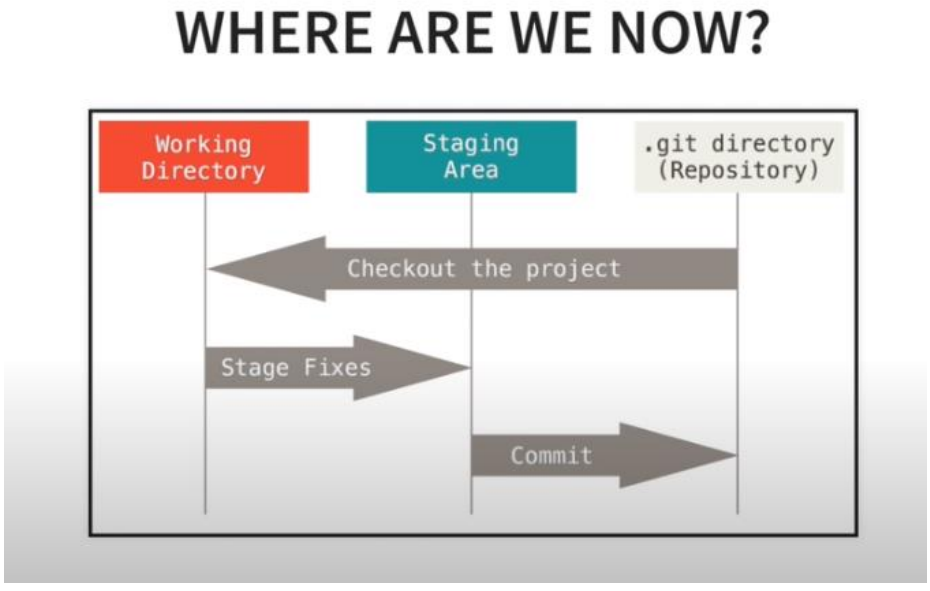
rm -rf .git **// to remove git init file.**

4. **Git status**

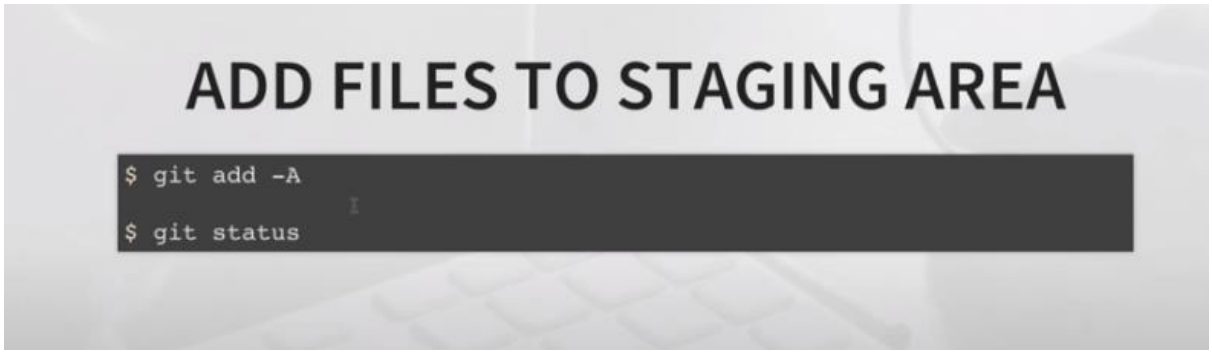


5. **Creating git ignore file**

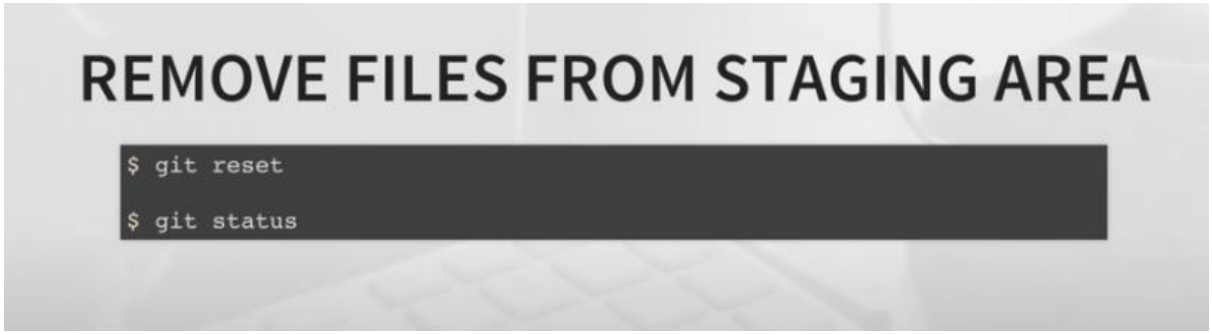
6. **Adding files in gitignore**



7. Add files to staging area

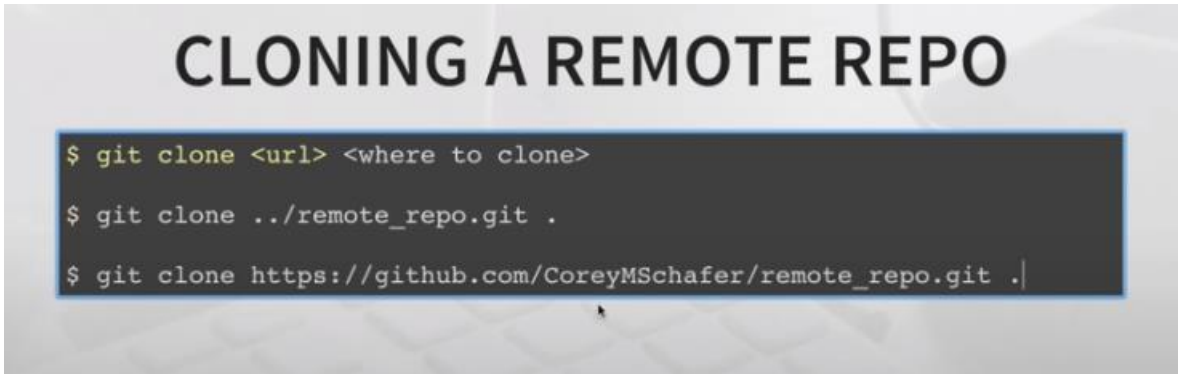


8. Removing files from staging area



9. First Commit message

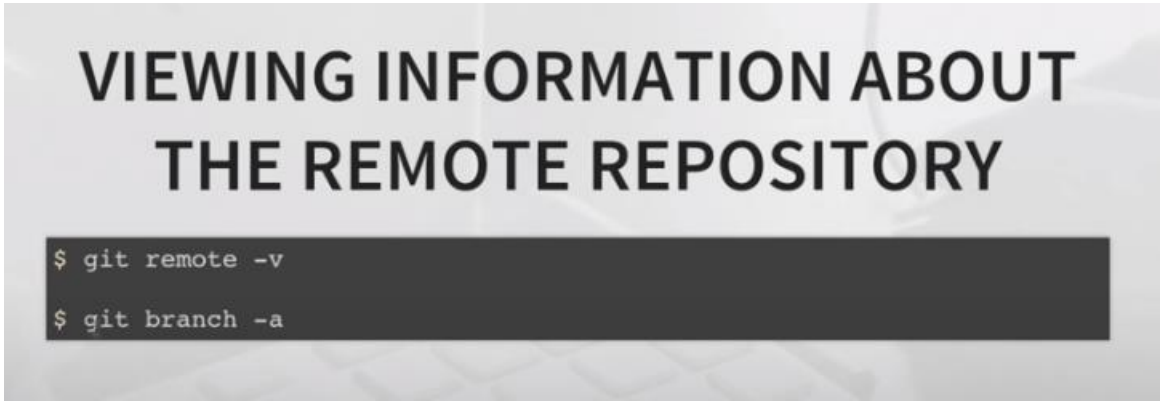
10. Cloning a repo from github (“.” Represents the current working directory)



For Example :

$ git clone https://github.com/csimgmcet/Cheatsheets.git .

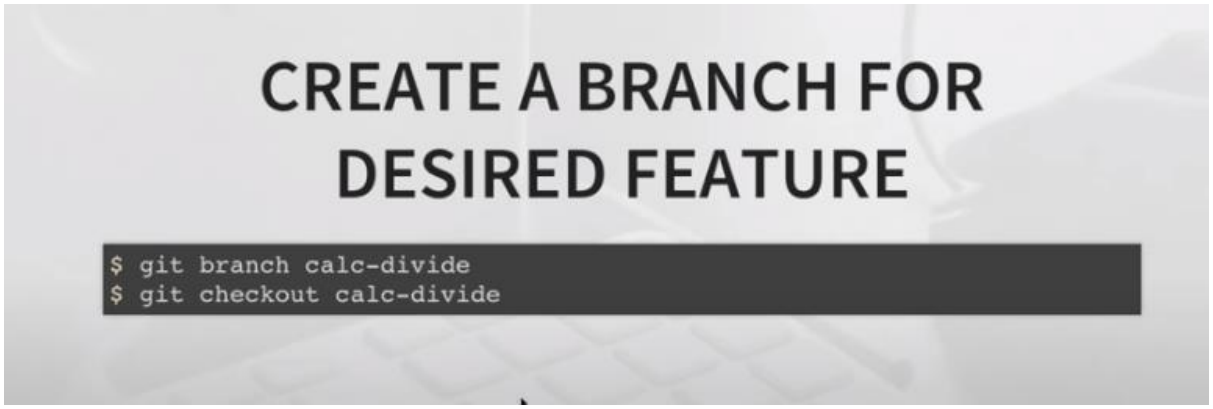
11. Viewing info about the repository and checking for current branch.



12. Push and pull

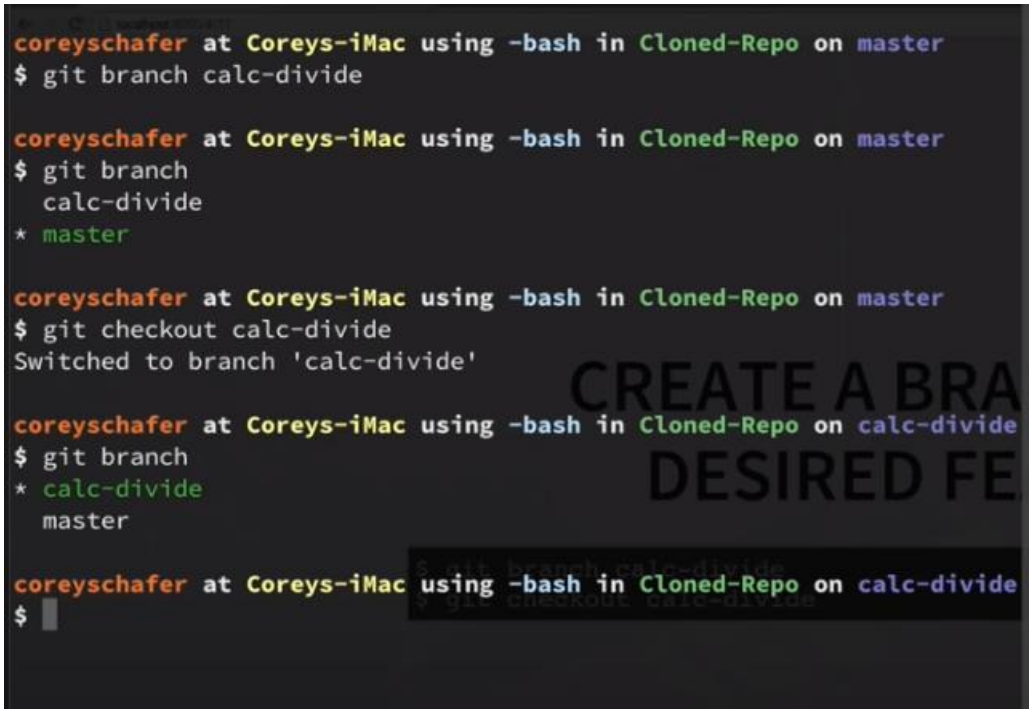
If you want to work on a team the best practice is to create multiple branches and then work on it with the work assigned to you.

13. Creating a branch for working on a feature.

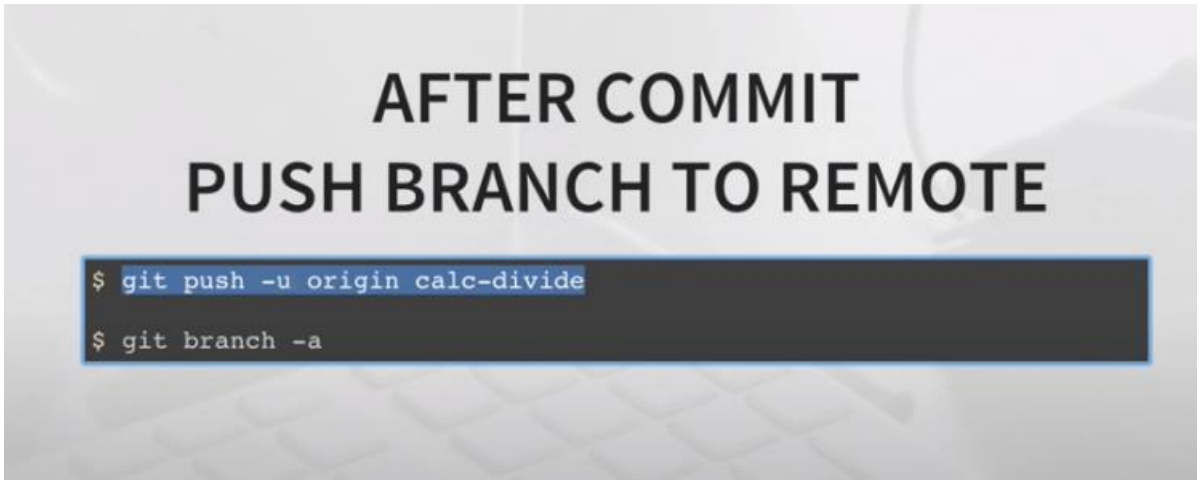


Above you were working on a single branch "master".

Now you will be working on "calc-divide" branch.



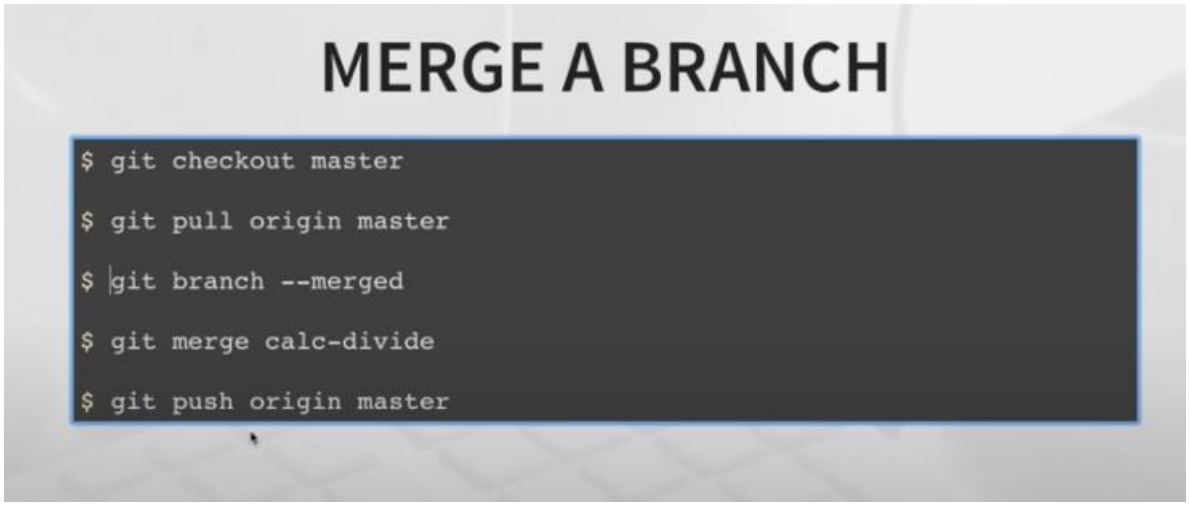
14. Once you have completed making changes in your <your name> branch (here it is calc-divide) you can push the changes to the remote repository.



git branch -a **specifies the number of branches in the terminal.**

Here we have 2 (master, calc-divide).

15. Once you are done finalizing your changes you can merge your branch with the main branch (master)



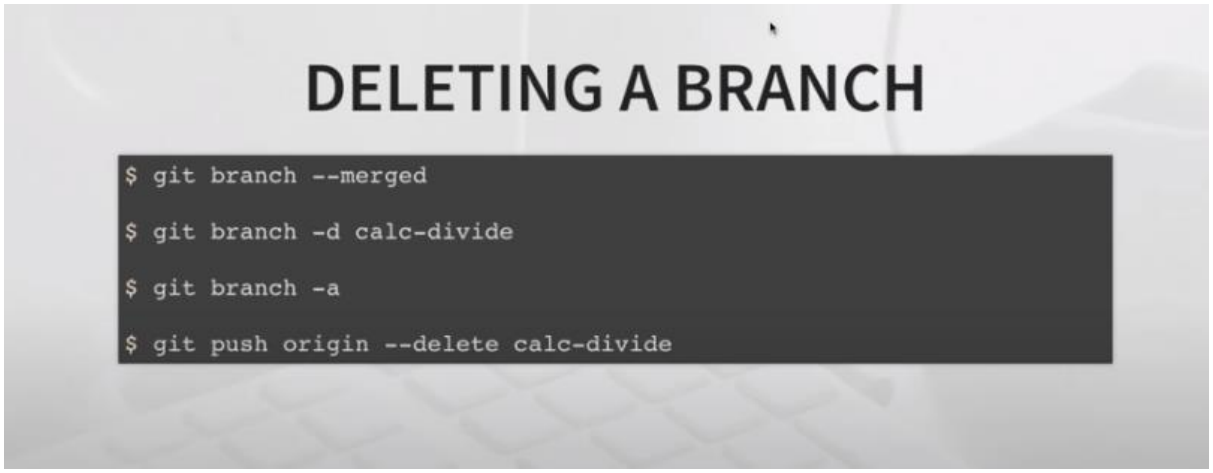
git checkout master **// to switch to master branch**

git pull origin master **// to see if someone else have made any changes to the original repo (master)**

git merge calc-divide **// merges calc-divide with master**

git push origin master **// pushed changes on master branch of remote repository.**

16. Deleting the calc-divide branch as we have merged it with our main branch (master)



- **-d species *delete*.**
- **Now when you run git branch –-merged you will see both the branches.**
- **But when you run git branch -d calc-divide the calc-divide branch will be deleted.**
- **Git branch -a will show only one branch (master) .**
- **To delete calc-divide from our remote repository we use the last command.**