**Git commands**

* 1. To Set global username and email for Git (Locally).

**Git config --global user.name "<your username>"**

**Git config --global user.email "<your email>**

**Git config --global core.editor "code --wait"**  (To change vim with vs code)

* 1. To initialize Git repo

**Git init**

* 1. To Clone an existing Git Repository

**Git clone <repository URL>**

* 1. To add file and commit file

**Git add**

**Git .** (to add all file at once)

**Git commit -m "Your commit message"**

* 1. To add & commit with single command

**Git commit -am "Your commit message"** (works only if has to re-commit)

* 1. To delete file/folder

**rm <file name>** (To delete file)

**rm -r <directory name>** (To delete folder)

* 1. To check all commit messages

**Git log --oneline** (check all commit message in one line)

**Git log**  (To check all git log and commit)

* 1. To bring back deleted file which is added in git

**Git reset**

**Git restore <file name>**

* 1. To check the status of your git repository

**Git status**

* 1. To create branch and change branch

**Git branch <branch name>** (To create new branch)

**Git checkout -b <branch name>** (To create new branch and switch)

**Git switch -c <branch name>** (To create new branch and switch)

**Git switch <branch name>** (To switch between branch)

**Git branch** (To check branch's)

**Git branch -D <branch name>** (To delete branch)

**Git branch -m Main**  (To change branch name to main)

* 1. To check remote origin of git repository

**Git remote -v** (github location where repo is created)

* 1. Add remote origin URL

**git remote add origin <your remote git URL>**

* 1. Remove remote origin URL

**git remote remove origin**

* 1. Fetch all the remote branches

**git fetch**

* 1. Push your local changes to remote branch

**git push origin <branch name>**

* 1. Pull your remote changes to local branch

**git pull origin <branch name>**

* 1. To get back to any commit

**Git checkout <commit id>** (if u want to go to previous commit )

**Git switch -** (To undo this changes )

* 1. To undo add and commit of any files

**Git reset** (To unstage any added file)

**Git reset HEAD~** (To unstage committed files)

* 1. To push for firt time in github

**git push -u origin main**

* 1. To push code from the remote server you need to generate token from github.After that just give this command.

**git remote set-url origin** [**https://<token>@github.com/<username>/<reponame>**](https://%3ctoken%3e@github.com/%3cusername%3e/%3creponame%3e)