

# GeneralGitNotes

## Git init:

- Creates new repository in your project folder, on your device.  
\*Labeled "Git.", hidden by default

```
git init
```

## Git clone:

- Copies the specified online repository to your device, including the most recent commit files and the "Git." folder.

```
git clone https://github.com/your-username/repository-name.git  
#will copy the repo into a folder with the reponame
```

```
git clone https://github.com/your-username/repository-name.git  
#adding the period means to copy all of the material into you
```

## Git Stage:

- stage changes of a specific file

```
git add file.txt
```

- stage changes for all files, including new files added

```
git add .
```

## Git commit:

- creates a labeled commit containing all of your staged changes

```
git commit -m "Commit Message"
```

## Git log:

- returns list of commits, press enter to view more lines, press q to quit.

```
git log
```

## Git Reset:

- deletes all commits above it but keeps staged changes

```
git reset --soft commitID
```

- deletes all commits above and their changes

```
git reset --hard commitID
```

make sure you choose the commit that you want to reset to! If you want to delete a commit you must RESET then using the id of the commit prior.

## Git Branch

- creates a new branch

```
git checkout -b NewBranchName
```

## Git Push

- adds online github link to your local memory, this link is saved and accessed through the **origin**

```
git remote add origin https://github.com/your-username/repos:
```

- Show the links saved in the origin, which it will use when pushing, fetching, pulling, etc.

```
git remote v
```

- pushes all new commits and changes in that branch to the online github repo, using the link saved in the origin.

```
git push -u origin BranchName
```