

create empty repository :

```
git init
```

set your name and email :(only in first use git)

```
git config --global user.name "user name"
```

```
git config --global user.email "email"
```

To confirm Changes :

- first adding them to staging area : `git add .`

- then commit with a suitable commit message : `git commit -m "your commit message"`

link your local repo. with github a repository : (only if you have an empty repository on github and you are the first one to add things to it)

```
git remote add origin (link of your repository on github)
```

to view commits log (history) :

```
git log
```

to push your commits to the github repository:

```
git push origin master (or branch name instead of master)
```

```
git push --force origin main (used if not worked first command line)
```

to download the repository to your pc :

```
git clone http..... (link of the repo.)
```

** ((don't type (git remote) as you have the remote already after cloning !!))

to pull the latest update from github to your computer :

```
git pull origin master (or branch name instead of master)
```

If you wrote things by mistake and wanted to cancel them all and go back to the last thing after the last commit.

```
git reset --hard
```

**** Branches ****

to view the current branch :

```
git branch
```

create a new branch and switch to it :

```
git checkout -b (branch name)
```

```
git branch -m main master
```

```
git fetch origin
```

```
git branch -u origin/master master
```

```
git remote set-head origin -a
```

to change branch use:

```
git branch -M main
```

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