# GIT AND GITHUB

- Git is a version control system that helps to track changes in code. (tool)
  1. Track the history
  2. Collaborate
- Github is a website that allows developers to store and manage their code using Git.
- Repository = Folders (project)
- Commit = changings (add → commit) (screenshot)

$ git --version (check if git is installed)

- Configuring git & Telling git, to which account we are going to perform changings. Name, email associated with the changings.

```
$ git config --global user.name "My name"
$ git config --global user.email "someone@email.com"
$ git config --list
```

- Clone & Cloning a repository on our local machine.

  $ git clone < some link >

- Status & Tell status of code
  - Untracked (new file included)
  - Modified (Any file modified)
  - Unmodified (no changings)
  - Staged (ready to be committed)

  $ git status
- After modifying files &
  1. Add file
     $ git add .
  2. Commit file
     $ git commit -m "first commit"
- Push & Upload local repo content to remote repo.
  $ git push origin main
- Add remote origin &
  $ git remote add origin "url.git"