

Git Commands

Git Configuration

- `git config --global user.name "name"`
- `git config --global user.email "your.email@example.com"`

In the terminal

- `mkdir SampleApp` : – Create new folder named SampleApp
- `cd SampleApp` : – go to project folder
- `git init` : – initialize the repository
- `touch filename.txt` : – to add new file in the folder
- `git add .` : – to stage add the modified files
- `git add "filename"` : – to stage the particular file
- `git commit -m "message"` : – to commit the local changes
- `git log` : – to see the logs of the changes.
- `git log - - oneline` : – small logs

Correct the last commit message

- `git commit - - amend -m "message"`

Recover a deleted file that **was not** committed

- `git checkout file.txt`
- `ls - al` : – list all the files

Recover a deleted file that **was** committed

- `git reset - - hard HEAD~1`

Recover committed files after more commits

- `git log - - follow -p - - filename`
- `git checkout hash filename`

Reverting a commit

- `git revert HEAD`
- `git revert <commit hash>`

Link local repository to github

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

Push changes to github

- `git remote`
- `git remote show origin`
- `git push origin main`

Create a branch

- `git branch xyzbranch`
- `git push origin xyzbranch`

View all branches

- `git branch`

Rename a branch

- `git branch -m oldBranchName newBranchName`