

----GIT Commands----

- **git init**
Initialize empty git repo
- **rm -rf .git**
to remove the git repo
- **git status**
gives git status
- **git add .**
add all files into staging area
- **git commit -m "some text message here"**
commit all changes
- **git diff**
shows the difference between working dir and staging area
- **git diff --staged**
compare old commit with current staging area
- **git commit -a -m "commit text message"**
to commit the files directly (only commit previously added files won't commit untracked files)
- **git rm filename**
remove the desired file
- **git mv filename newfilename**
to change the filename
- **git rm --cache filename**
to remove the file from getting tracked after adding it into gitignore as the file was already present inside staging
- **git log -p**
show changes in previous and current commit
- **git log -p -3**
show changes in previous 3 commit with diff
- **git log --stat**
short desc summary of commits
- **git log --pretty=oneline**
one line commit summary
- **git log --pretty=short**
short commit summary

- **git log --pretty=full**
full commit summary
- **git log --since=2.days**
last 2day summary
- **git log --pretty=format:**
full commit summary
- **git restore --staged filename**
to unstage a file from staged area
- **git checkout -- filename**
restore old commit file changes
- **git checkout -f**
restore old commit changes on all files
- **git remote add origin git_url**
creating a remote in given github repo url
- **git remote -v**
shows push & fetch remote url
- **Pushing into Github repo**

Quick setup — if you've done this kind of thing before

or HTTPS SSH https://github.com/kunalmoii/Github-Tutorial.git

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```

echo "# Github-Tutorial" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/kunalmoii/Github-Tutorial.git
git push -u origin main

```

...or push an existing repository from the command line

```

git remote add origin https://github.com/kunalmoii/Github-Tutorial.git
git branch -M main
git push -u origin main

```

- **git checkout -b newbranch_name**
creates a new branch with newbranch_name and takes you there automatically

- **git checkout branch_name**
to move back to given branch
- **git branch**
show all created and current branch
- **git merge branch_name**
merging current and other branch branch_name
git add .
git commit
git pull
- **git branch -v**
last commit message
- **git branch --merged**
show all already merged branches
- **git branch --no-merged**
show non merged branches
- **git branch -d branch_name**
delete the branch (gives error if branch is not merged)
- **git clone github_link --branch branch_name --single-branch folder/branch_name**
to clone a specific branch from all branches