



GIT Version Control

mkdir : make directory

touch filename.extension : to create new file

git init : to initialise empty git repository

ls : list command

ls -a : list hidden files and folders

git status : to track changes

rm -rf filename : to delete file or folder

git add filename : add particular untracked files to staging area

git add . : add all untracked files to staging area

git commit -m “commit_message” : to commit the files from staging area

cat filename : display the content of the file

git rm --cached filename : to unstage changes

To uncommit the committed changes :

git log : to check the commit history.

git reset commit_code : if we want to go to previous commits (git log → get commit_code)

ie, if you want to uncommit the particular commit from git log then choose the below commit_code of that commit that you want to change.

git stash : if you don't want to commit the changes and delete the changes either as a backstage (git add the changes before stashing).

git push origin branch_name -f : force commit

git stash pop : bring back the stashed changes.

git stash clear : to delete the stashed changes from backstage.

git remote add origin https_url : to link your local folder to your github repository.

git remote -v : to check the attached https_url

Creating a Personal Access Token for GITHUB :

- go to [setting](#) under profile
- click [developers setting](#)
- choose [personal access token](#)
- click [token \(classic\)](#)
- give your token a descriptive [name](#).
- give your token an [expiration](#)
- Select the scopes you'd like to grant this token.
- click [generate token](#).
- copy token
- using token →

```
git clone https://github.com/USERNAME/REPO.git
Username: YOUR_USERNAME
Password: YOUR_TOKEN
```

git push origin branch_name : to push the committed changes from local environment to github env remotely.

git branch branch_name : create new branch

git checkout branch_name : switch to another branch

git merge branch_name : if want to merge/update master branch with another branch (ie. first checkout

to master branch then command).

working with existing projects or contributing to open source projects :

git clone https_url : to clone repo/projects.

git diff branch_name : to check the staged changes.