To initialize git in a repository

* Git init

To add files to the staging area

* git add <filename>

To add all files to the staging area

* git add .

To commit files to the local repo

* git commit -m “msg”

To see the remote changes

* git fetch

to pull the changes to the local

* git pull
* git log – to see the list of commits
* git status – view untracked and staged files

1. Set global config email

* git config --global user.email [example@gmail.com](mailto:example@gmail.com)

1. Set global config username

* git config --global user.name “name”

1. Set local config email

* git config --local user.email [example1@gmail.com](mailto:example1@gmail.com)

1. Set local config username

* git config --global user.name “name”

1. View **local/global** config list

* git config --local --list
* git config --global --list

1. Remove local user name and email

* git config --unset user.name
* git config --unset user.email

1. Remove local user name and email

* git config --global --unset user.name
* git config --global --unset user.email

1. Add files to staging area

* git add <filename>/.

1. Undo all files to staging area

* git restore --staged .

1. undo specific file staged file to working directory

* git restore --staged <filename>

1. Commit files to local repo

* git commit -m “msg”

1. undo commit and take files back to staging area

* git reset --soft HEAD~1

1. undo commit and take files back to working area file will be deleted

* git reset --hard HEAD~1

1. Undo commit and record the changes

* git revert <commit\_id>

1. Undo commit and do not record the changes

* git reset --hard <commit\_id>

1. To list the created branches

* git branch

1. Creating new branch

* git branch <branch\_name>

1. Switch to branch

* git checkout <branch\_name> / git checkout -b <branchname> (will create and switch to the)

1. Renaming branch

* git branch -m feature-branch new-feature-branch

1. Deleting branch

* git branch -d <branchname>/ git branch -D <branchname> (force delete)

1. Merge branch

Checkout to the branch u want to merge changes

* git merge <branchname>

Merge conflict

Rebase branch

Set remote origin

Git remote origin <url>

git remote set-url origin <new\_url>

git push -u origin <branch>

Push to remote origin

Set upstream