

1] Start with below command: -

a] git config -- global user.name "AniketGadge10"

b] git config -- global user.email "xyz@gmail.com"

2] To Display user details :-

a] git config --global user.name

b] git config -- global user.email

3] Create a repository on git without name: -

a] git init .

4] add & remove file into staging area: -

The staging area is a "selection area" where you organize your code changes before making a commit.

a] git add ./GitCommand.docx //add single file from repo

b] git add . //add all file from repo

c] git reset ./GitCommand.docx //Remove from staging

5] add changes to local VCS: -

a] git commit -m "comment message"

b] git reset ./GitCommand.docx //Remove from local VCS

6] show current status of repository: -

a] git status

7] show commit history: -

a] git log

8] Compare the changes in working directory (file) with staging area

a] git diff

9] Compare the change in staging area with local repository/local VCS

a] git diff --staged

10] Compare the changes in working directory (file) with local repository

a] git diff head

11] To push the code to remote repo from local VCS.

a] git push

b] git push origin master - Push changes to remote Github repo

12] To clone repo from remote repo to working directory.

A] git clone [https://github.com/AniketGadage10/GitHub\\_CommandLine](https://github.com/AniketGadage10/GitHub_CommandLine)

13]

Command	Purpose	When to Use
<b>git clone</b>	Download entire repo for first time	When starting with a new repo
<b>git pull</b>	Update existing repo with new changes	Every time you want the latest updates

**git pull = git fetch + git merge**

14] Download updates from the remote repository *without* merging them.

- a] git fetch // remote repository to local repository VCS
- b] git fetch origin //Fetch updates only from the selected remote.
- c] git fetch origin main //Fetch updates for a single branch only.

**What it does:**

- Gets the latest commits from remote
- Updates your remote-tracking branches (like origin/main)
- **Does NOT change your working files**
- You must merge manually if you want those updates

**Useful when:**

- You want to **review changes before merging**

15] **Origin:** -

- **nickname/shortcut** for your remote GitHub repository URL.
- It helps Git know **where to push** and **where to pull** changes.
  - **git clone https://github.com/user/project.git**
- Git automatically sets:

**origin = https://github.com/user/project.git**