

Git cheat sheet

GIT Basics :

1. create empty directory.

`mkdir dirname`

2. change path to the current working directory “ here : dirname “

`cd “path to cwd”`

3. check all the files in directory including hidden files.

`ls -a`

4. initialize empty git repository.

`git init` (command creates a hidden folder named `.git`)

5. list content of the `.git` directory.

`ls .git`

6. create a new file to the cwd.

`touch newfile`

7. see the status of the directory

`git status` (shows output as tracked and untracked files.)

8. add newly created file for tracking.

`git add newfile`

IMP : **git graphs** extension in VS Code.

9. see the logs of git.

`git log`

10. add a commit to the current state.

`git commit -m “initial commit : add newfile”`

IMP: **head** is pointing to current branch in which we are working.

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NOTE :

- Git is a distributed version control system.
- Git tracks changes in two areas before committing those to repositories.
 - Staging
 - Working copy
 - untracked
 - tracked

See Object directory

see contents of git/refs

11. create another new file “say : index.js”

`touch index.js`

12. see the status

`git status`

13. restore the previous stage using command:

`git restore --stage index.js`

14. see the logs

`git log`

15. creating a new branch

`git checkout -b feature-sum`

16. switch to the master branch

`git checkout master`

IMP: see branches in the git graphs.

