**Git & GitHub - Cheat Sheet**

1] Link for installation on Git: https://git-scm.com/

2] To check the version of Git or if it's install in the system or not: git --version

3] To set up username in the Git bash: git config --global user.name "Your Name"

4] To set up email in git bash: git config --global user.email "your email"

5] To see the list of your info: git config -–list

6] To initialize the git: git init

7] Adding single file to staging area: git add filename

8] Adding multiple files to staging area:

a] git add -all

b] git add -A

c] git add .

9] Add staged changes to local repository  
 a] git commit

B] git commit -m “message”

10] To create new file using cmd: touch filename.txt

11] To check status of your staged area: git status

12] To check history of commits: git log

13] Note: Master branch is the default branch

14] Create new branch: git branch <branch name>

Eg: git branch newbranch

15] To switch between the branch: git checkout <branch name>

Eg: git checkout main

16] To delete a branch: git branch -d <branch name>

Note: It gives error if the branch is not fully merged

Eg: git branch -d main

17] To force delete a branch: git branch -D <branch name>

Eg: git branch -D newBranch

18] To directly create a new branch and switch: git checkout -b <branch name>

Eg: git checkout -b main

19] To rebase: git rebase <branch name>

Eg: git rebase master

20] Stashing: git stash

21] To get list of all stashes – git stash list

22] To reflog: git reflog

23] To fetch changes from github: git fetch

24] To merge changes: git merge

25] Command for pull: git pull origin <branch name>

Eg: git pull origin main

26] To clean the working repository: git clean -f -d

27] To change the commit messages: git commit – amend

28] Checking past commits: git checkout <commit\_id>

29] Command to find Commit Id : git log –oneline

30] Soft reset git : git reset <commit\_id>

31] Hard reset git : git reset <commit\_id> --hard

32] Git reverting commits:  
 a] git revert <commit\_id>

b] git revert –n <commit\_id>

c] git revert –abort

33] Deleting commits from git: git reset <commit\_id>