Must Git Commands for every Developer

PHASE–I

1. To set global values for your github account
   a. git config --global user.email emailaddress
   b. git config --global user.name "username"
2. To have a look on all the available commands
   a. git –help
   b. git commit –help (*)
3. To create a new repository
   a. git init
4. To return staging area status
   a. git status
5. To add any file to staging area
   a. git add filename.extension
6. To create any new file
   a. touch filename.extension
7. To add every untracked file to staging area
   a. git add .
8. To forcefully remove(completely delete) the file
   a. git rm -f "filename.extension"
9. To remove the file from staging area or untracked it
   a. git rm --cached filename.extension
10. To keep record of your changes
    a. git commit -m "your messege"
11. To committing untracked files
    a. git commit -a -m "your messege" (*)
12. To displays all your commit
    a. git log
13. To enter the names of file you want to ignore
    a. touch .gitignore
14. To make .gitignore work and for removing the track of the ignored file
    a. git rm -r --cached .
15. To create new folder
    a. mkdir foldername
16. To delete folder
    a. rmdir foldername
17. To connect local origin to a link to access to your repository
    a. git remote add origin httpURL

18. To displays available function such as fetch/push
    a. git remote –v
19. To push your Repository in github
    a. git push -u origin master
    b. git push -u origin master –f
20. To delete branch on github
    a. git push --origin delete branchName

PHASE−II

21. To go back in time temporary at any commit
    a. git checkout logid
22. To switch back to original branch
    a. git checkout master
23. To get back you in time permanentaly but for a single commit
    a. git revert LOGID
24. To displays all the message of all the commit at once
    a. git log –oneline
25. To take back in time mulpile commit and set that as working directory and removes files
    and all the changes made after the selected LOGID
    a. git reset --hard LOGID
26. To makes your working directory in past time without removing any file and changes
    a. git reset --soft LOGID
27. To makes your working directory in past time without removing any file but changes
    that are made are removed
    a. git reset --mixed LODID

PHASE−III

28. To create newbrach
    a. git branch branchName
29. To create new branch and switch to it
    a. git checkout -b branchName
30. To list all the branch
    a. git branch –a
31. To delete the branch
    a. git branch -d branchName
32. To merge branch to the current one
    a. git merge branchName

33. To pull all the data and update our local repositories
    a. git pull
34. To pull data from particular branch and will update particular branch in local repositories, remote = origin, branchName = master
    a. git pull <remote> <branchName>
35. To set tracking information for this branch
    a. git branch --set-upstream-to=origin/<branch> master
36. To remove file
    a. rm -rf filename
    b. rmdir filename

Extra Information:

1➜ add README.md

2➜add LICENSE

3➜forking (playing with other repositories)

4➜download (.git is missing from source)

5➜git commit -S -m "Adding a test file to new_branch"

6➜git config user.signingkey 35F5FFB2

7➜git config --global user.signingkey 35F5FFB2

8➜gpg --list-secret-keys --keyid-format LONG

9➜git config --global gpg.program gpg2

Try Yourself:

In summary, if you want to contribute to a project, the simplest way is to:

- Find a project you want to contribute to
- Fork it
- Clone it to your local system
- Make a new branch
- Make your changes
- Push it back to your repo

- Click the Compare & pull request button
- Click Create pull request to open a new pull request

Advance Git Commands for Developers

Basics Commands are shown here of Git. "How to use them?", "What they mean to us?" Struggling with this kind of question!   Don't worry you have many options to learn their usage. I will be providing a video tutorial to help you all in this struggle. Be active on this site for Updates.

Drop mail at "thecreator.3999@gmail.com" for any guidance or any suggestion related to this command sheet.