Github

1) Most famous Git implementation
2) Git is CLI, GitHub provides Web-based GUI
3) Make is easy for Open-source project contribution
4) public and private profile
5) GitHub Desktop software & Many other features
6) Many companies look at the online profile for hiring

- ✔ Version Cotrol System :-

1) A way to keep track of changes files
2) Collaboration between developers
3) keep track of all WHO Did what
4) Merge and Revert
5) Easy Recovery if something is messed up

- ✔ GitHub Commands
- ✔ sudo apt-get install git
- ✔ learn git :- https://www.youtube.com/watch?v=kda3i8v3p3Y&list=PL_HlKez9XCSNExhnKOYAGOhedSPaUE9cB&index=4
- ✔ Download Git :- https://git-scm.com/
- ✔ Download Cmder :- http://cmder.net/

1) git config --global user.email “your email address”
2) git config --global user.name “Your Name”

Create The Repository on the command line

```
touch README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin git@github.com:alexpchin/<reponame>.git
git push -u origin master
```

Git Part 1 :-

1) Create A Git Project :- git init
2) git add [filename] || -A
3) git status
4) git commit -m “msg”

5) git remote add origin repoName
6) git remote -v
7) git push origin master
8) git clone repoName
8) git pull origin master
10) git diff

Git Part 2 :-

1) show the branches :- git branch
2) Create The Branch :- git branch new_branch_name
3) Switch to another branch :- git checkout branch_name
4) Create and Switch branch :- git checkout -m branch_name
5) Delete Branch :- git branch -d branch name
6) Undo all the file :- git checkout -- . (. for all files) = it is only work before you commit it after commit it not work
7) git revert command :- git revert commit_id
8) Delete Branch from Github :- git push --delete <remote-name> <Your Branch Name>
#SHA256:nThbg6kXUpJWGl7E1IGOCspRomTxdCARLviKw6E
#5SY8.

Git Part 3 :-

Git Log Command

1) show all the log :- git log
2) Show last commited transaction :- git log -anynumber
3) show all the log in one line :- git log oneline
4) show author log :- git log -i --author = ”author name”
5) Search The anyone :- git log -i --grep = “search content”
6) git reset :- to unstage all files
7) git reset HEAD <file> :- To unstage commited specific files
8) git rm filename(with or without path)

Git Part 4 :-

Git Stash Command

1) git stash save “anyname”
2) git stash list
3) git stash apply {UniqueId / Stashname}
4) git stash drop {UniqueId / Stashname}
5) git stash pop
6) git stash clean
7) git stash -p :- for specific file code stash
8) git cherry-pick comment_id

Git Part 5 :-

SSH Authentication

It is used to only once and remove problem to add every time email password in git

1-> goto github -> inside clone and download click Use SSH
2 -> copy the link
3 -> goto terminal and type -> ssh-keygen --> press enter
4) -> press enter for default locaton
5) -> enter passphrase :- press enter (if you add and phrase you can do)
6) -> enter same passphrase :- same as 5
7) -> it give locationn in msg :-
your public key has been saved in path
8) -> goto path and open public folder (extension is PUB File)
9) -> Finally copy to all it and goto github
10) -> goto settings -> click SSH and GPG keys
11) -> click New SSH Keys button -> enter copied key in key section and also provide title(any title give)
12) -> goto to terminal and clone your repositary

Git Command Shorter

git config --global alias.change_command_name orignal command

Some Important Links
https://www.youtube.com/watch?v=AS2uIDwkikk

https://www.youtube.com/watch?v=1bS8VpQK29o

https://www.youtube.com/watch?v=uixvP7sBnek&list=PL_HlKez9XCSNExhnKOYAGOhedSPaUE9cB&index=2

Most Usefull :- https://www.youtube.com/watch?v=_zOyHlxdboI

https://www.youtube.com/watch?v=ibo_wlpmcsE