git init= to initialize an empty repository

git add . = to add all the files in CWD to staging

git diff –cached = this is done to see the changes that you made in current vs prev file

git commit -m “write commit msg” = to commit everything there in stagging to repository

git status = to check the status if there is anything to commit or not

git log = to see all the logs regarding commits that have happened

git show commit\_id:filename = this is to check any older version of any file mentioned with filename

the above is suitable for one file and that too a small file, to get older version all files :

git checkout commit\_id – filename or \* = you get the older version of the all the files or only for filename

git checkout branchname – filename or \* = to retrieve back the changes

To restore the file back to its prev version incase you have done mistaks and you want the original file=

**git restore filename or .**

To restore the file back to its prev version incase you have done mistaks and you have staged the file and you want the original file back

**Git restore –staged filename or .** = to unstage the file

**git restore filename or . =** to bring back the prev version

If you staged a file and it is proper and you want it to be committed, but while it is in stage you did some mistake in file and saved it now you status will show one file to stage and one file untracked. Now undo the mistake done in untracked file

**git restore --worktree index.html**

What is we commit wrong code or unwanted changes?

Git reset –soft HEAD^ = this only uncommit the commit

Git reset –hard HEAD^ = this uncommit the commit as well as undo all the changes done in the file