Git command

1. git init : the project folder will mark by the cmd.

.git folder will be created.

1. git status : after marking folder, all the files represent in un staging area.
2. git add . : to add all the files into staging area, after adding files will display in green colour
3. git commit -m ‘first commit’ : commit the files to local repository.
4. git push : push code from local repo to central repo.

Note: with out taking latest changes we can’t push our code to git remote repo.

1. git restore:

* by using this command we can do two operations

1. we can move staging area files to unstaged area.
2. After moving code to remote repo in my local I have made some code changes, then that file is in unstaged area, then I can revert changes what I have done in my local by using git restore cmd.
3. git log: to check commit history.
4. git rm: used to delete local project folder and central repo also
5. when we run git rm <file name> that file will delete in local project folder.
6. If we run two more cmds like git commit -m ‘msg’ and git push then from central repo also file get deleted.
7. git clone: to download central repo code to local machine.
8. git pull : some one has make changes in the code, and that changes need to reflect in our local machine then we have to use git pull cmd.

Note: we need to entry in that directory.

1. git branch: used to check current branch status.

We can create ‘n’ number of branches in single repository, to check in which branch we are working we can use git branch.

1. git clone -b <branch name> <repository url>

we can clone particular branch code into our local repo.

1. git stash: used to store changes in backup.

Ex: I am doing one work, latter manager came and assigned to me another task. I can’t commit current changes because task not completed and I can’t delete my work. In this case I can use git stash.

1. git stash apply:

After completing task I can run again git stash apply then my changes will be back to java file and I can proceed.

1. git reset:

I have committed my changes into local repo but I want to delete the commit.

I can delete in two ways

1. soft delete: it will delete from commit, but changes will there and file in the staged area.

git reset –soft HEAD~1

1. hard delete: it will delete from commit and also from working tree.

git reset –hard HEAD~1

1. git revert:

used to revert code changes from central repo.

1. git merge:

used to merge from one branch code all changes to another branch.

Ex: in dev branch i committed some changes, and I want to move changes from dev to main.

Then I have to shift to main branch and I need to run below cmds

git merge dev

We can do merge by using GUI also using pull request.

1. git cherry-pick:

send particular commit to central repo.

1. git fetch vs git pull:

git pull always download latest changes from central repo to directly working tree so that is reason we are getting conflict problem.

git fetch used to download latest changes from central to directly “local repo”.

1. What is git forking?

We can fork some one git repo into our git hub repo then it is called git forking.