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| Global commands | |
| git init | Initialize an existing directory as a Git repository. |
| git add . / git add ‘filename’ | Transfer the files from workstation to staging area. |
| git commit -m ‘any message’ | Transfer the changes from staging area to local repository and this changes has hash id. |
| Git commit -a -m ‘message’ | Short hand command to make add and commit. |
| git stash | Transfer any change in the workstation that is not on the current commit to stash area. |
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| Clone / Pull / Merge / Push | |
| git clone < url > | Pulling all project files from a remote repository. |
| git pull origin ‘remote’ | Fetch and merge any commits from the remote branches. |
| git merge origin/‘branch name’ | Make pull and merge files from another branch. |
| git fetch --all | Fetch all data from remote branches. |
| git push origin ‘branch name’ | Push any commits from local repository to remote repository. [ --force -> for force push ] |
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| Create / Rename / Deleting / Change | |
| git checkout -b ‘new branch’ | Create new branch and make the HEAD on it. |
| git branch ‘new branch’ | Create new branch without make the HEAD on it. |
| git mv ‘file name’ ‘new name’ | Rename the file name. |
| git branch –m < new branch name > | Rename the current branch. |
| git branch –m ‘branch name’ ‘new name’ | Rename any branch name. |
| git commit --amend | Edit message on the current commit. |
| git rm ‘filename’ | Delete file from staging area. |
| git branch –d ‘branch name’ | Delete branch from local, but not have changing. |
| git branch -D ‘branch name’ | Delete branch from local if have changed and not make commit. |
| git push origin --delete ‘remote branch name’ | Delete remote branch, but still in local. |
| git reset --hard HEAD~n | Delete N commits on current branch [starting from current commit]. |
| git checkout ‘branch name’ | Change the current branch. |
| git reset --hard ‘commit id ‘ | Reset hard from specific commit id |
| git stash pop | Return first index on stash area. |
| git stash drop | Remove first index on stash area. |
| git revert ‘commit id’ | Create new commit to delete any changes on this ‘commit id’ commit. |
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| To restore deleted file have 2 steps | |
| git restore --staged ‘filename’ | Taking copy from the file from commit to staging area. |
| git restore ‘filename’ | Restore the file from staging area to workstation. |
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| Display information about… | |
| git log / git log --oneline | List all local commits with some information about him on the current branch. |
| git branch | List all local branches. |
| git branch -r | List all remote branches. |
| git branch –a | List all local and remote branches. |
| git diff ‘commit-id’ ‘commit-id’ | List all the different between commit A and Commit B. |
| git status | Show modified files in workstation, staged for your next commit |
| git stash list | List all stash data |
| git branch --show-current | Display current branch name. |
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| Create custom git short command code | |
| git config --global alias.[short code] [code] | Create custom short hand code. |
| git config --global alias.st status | Ex => convert ‘git status‘ to ‘git st’. |
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| SSH Key | |
| ssh-keygen -t rsa | To generate ssh key on the windows system. |
| git clone ‘ssh url’ | To clone project by ssh url [ if have error ! run this command ‘ssh-add’ ]. |
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| Cherry pick | |
| git cherry-pick ‘commit id’ | Take only copy from commit in branch B to branch A with merge this commit only. |
| git cherry-pick -e ‘commit id’ | Edit on commit message when make merge it. |
| git cherry-pick -x ‘commit id’ | Create message on description commit to know this commit is cherry pick from another commit [commit id]. |
| git cherry-pick --skip | Cancel cherry pick work. |
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| Rebase | |
| git rebase ‘branch’ | Rebase the current branch onto ‘branch’, ‘branch’ can be a commit ID, a branch name, a tag, or a relative reference to HEAD. |
| git rebase –abort | to cancel the rebase |
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| https://stackoverflow.com/questions/48137927/git-head-lowercase-vs-head-uppercase | important |
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