## Step 3 – List of Basic Git Commands

Here is a list of useful Git commands to help you get started with Git.

| Command | Explanation |
| --- | --- |
| Creating Repository |  |
| git clone ssh://username@somedomain.com/repo.git | Clone an existing repository |
| git init | Create a new local repository |
| Working with Local Changes |  |
| git status | Changed files in working directory |
| git diff | Changes to tracked files |
| git add . | Add all changes to your next commit |
| git add -p | Add some changes in to your next commit |
| git commit -a | Commit all local changes in tracked files |
| git commit | Commit previously staged changes |
| git commit -amend | Change the last commit |
| Checking Commit History |  |
| git log | Show all commits |
| git log -p | Show changes over time for specific |
| git blame | See who changed what and when in |
| Creating Branches and Tags |  |
| git branch -av | See all existing branches |
| git checkout | Switch to branch |
| git branch | Create a new branch based on your current branch |
| git checkout — track <remote/branch> | Create a new branch based on remote branch |
| git branch -d | Delete a local branch |
| git tag | Mark your current commit with a tag |
| Updating and Publishing |  |
| git remote -v | List all currently configured remotes |
| git remote show | Show information about a remote |
| git remote add | Add new remote repository |
| git fetch | Download all changes from |
| git pull branch | Download all changes from and merge into HEAD |
| git push | Push changes from local to remote |
| git branch -dr <remote/branch> | Delete a branch on the remote |
| git push — tags | Publish your tags |
| Merging and Rebasing |  |
| git merge | Merge into current HEAD |
| git rebase | Rebase current HEAD onto |
| git rebase — abort | Abort a rebase |
| git rebase — continue | Continue a rebase after resolving conflicts |
| Discarding Changes |  |
| git reset — hard HEAD | Discard all local changes in your working directory |
| git checkout HEAD | Discard all local changes in a specific file |
| git revert | Revert a specific commit |
| git reset — hard | Reset your HEAD to a previous commit by discarding all changes since then |
| git reset | Reset your HEAD to a previous commit but preserve all unstaged changes |
| git reset — keep | Reset your HEAD to a previous commit and preserve uncommitted local changes |

To see more git commands use:

git --help