

GITHUB – All about Git and GitHub

1) **Git** is a version control system for tracking changes in computer file and coordination work on those files among multiple people.

2) Why use Git

- 1) Undo Mistake
- 2) Distributed System
- 3) Community Support

3) Download Link – <https://git-scm.com/downloads>

4) Basic Git Commands

- 1) git init – To initialise a git repository for a new or existing repository
- 2) git add <file_name> -Add one or more files to staging(index)
- 3) git status – List the files you’ve changed and those you still need to add or commit.
- 4) git commit -m “commit message” – commit changes to head.
- 5) git log – history of commits
- 6) git rm -cached <file_name> - To remove files from staging area(Unstage)
- 7) git branch <branch_name> - To create a new branch with name as branch_name
- 8) git checkout <branch_name> - To switch from current branch to another
- 9) git merge <branch_name> - To merge a branch into current branch
- 10) git pull – To pull from master branch all the updated commits.
- 11) git push origin master

5) Git Workflow

