**Git**

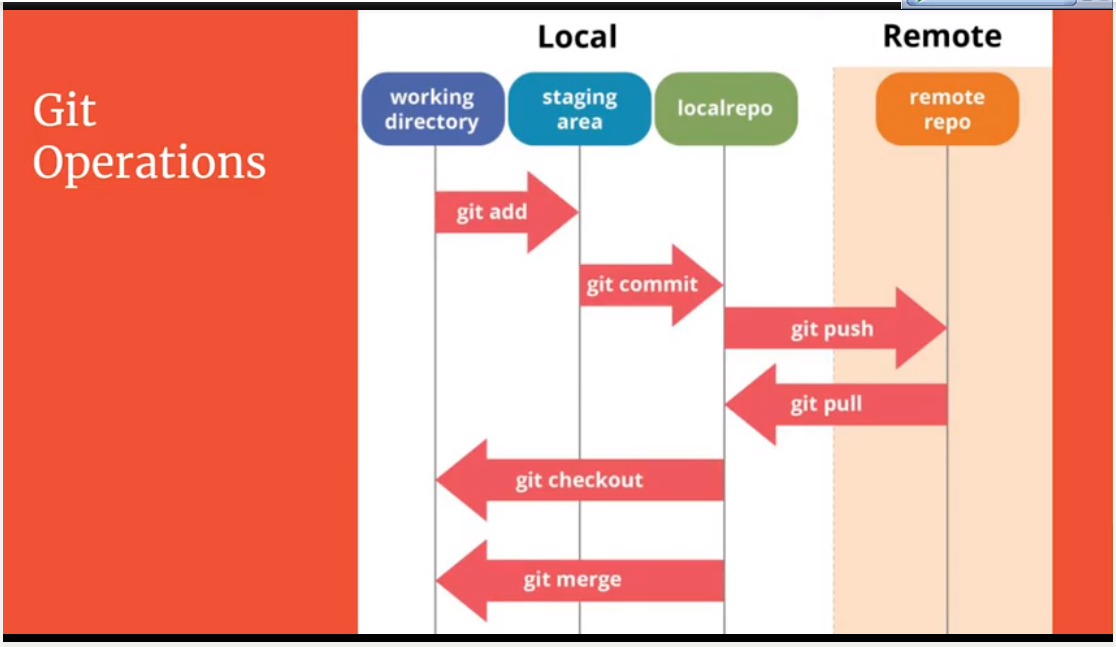
1. Git is a distributive version control system.

**Git Operations**

1. Initialize
2. Add
3. Commit
4. Push
5. Pull

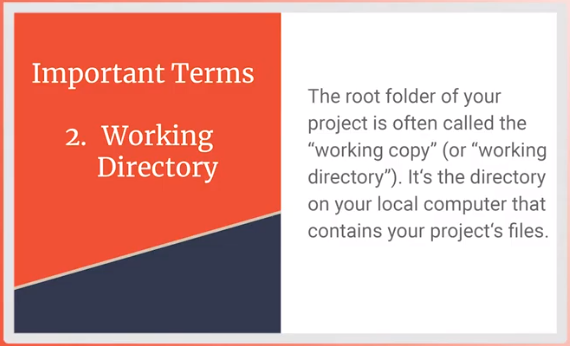
**Advance Git Operations**

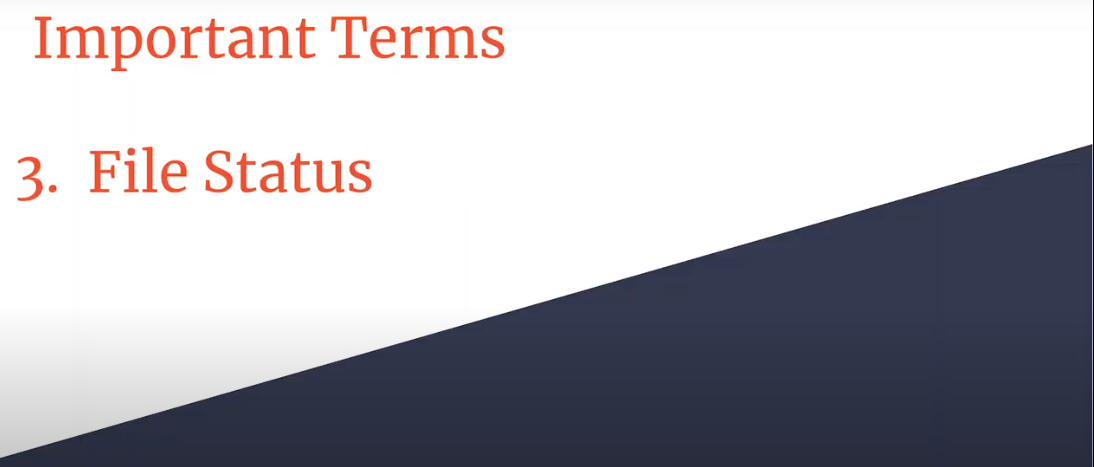
1. Branching
2. Merging
3. Rebasing

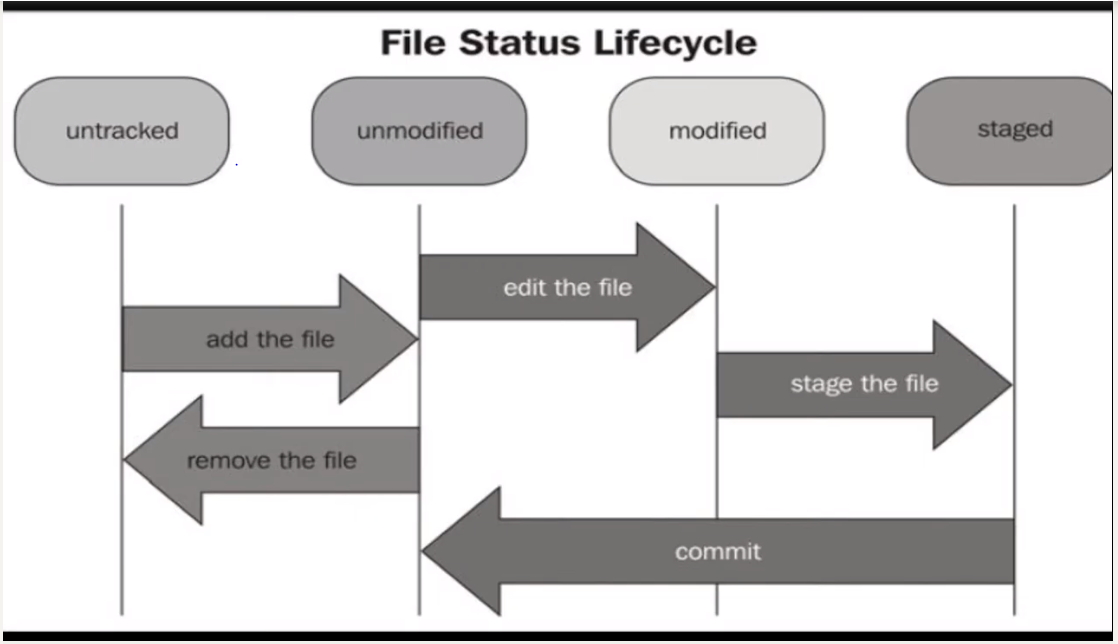


Important Terms

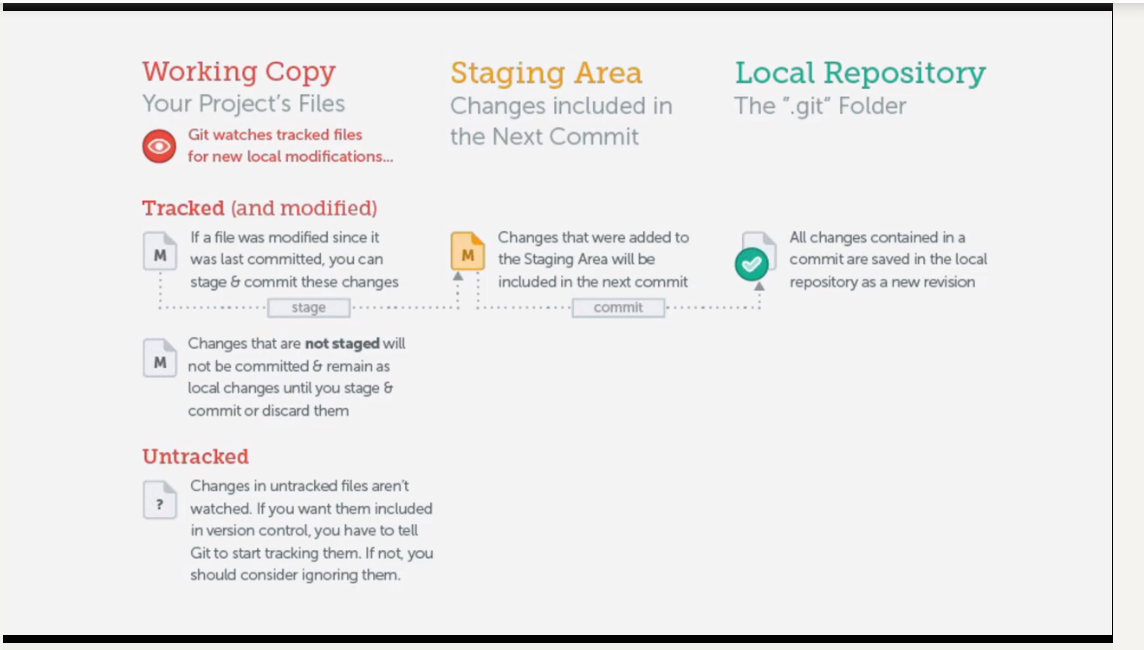


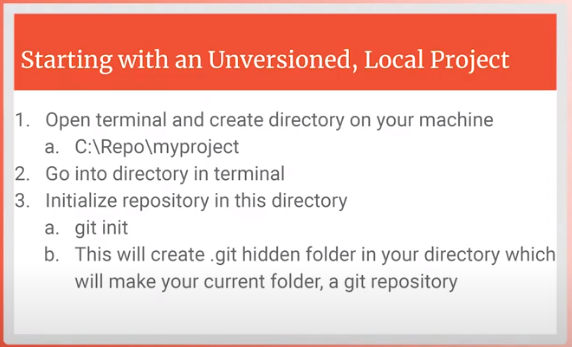




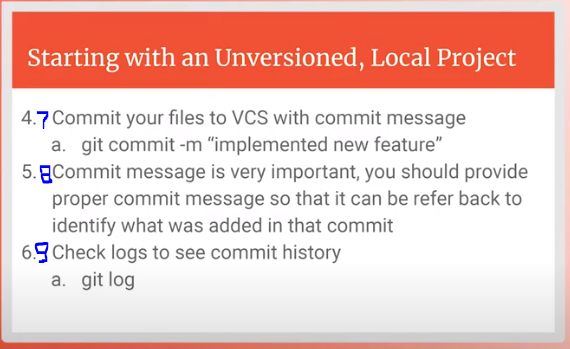








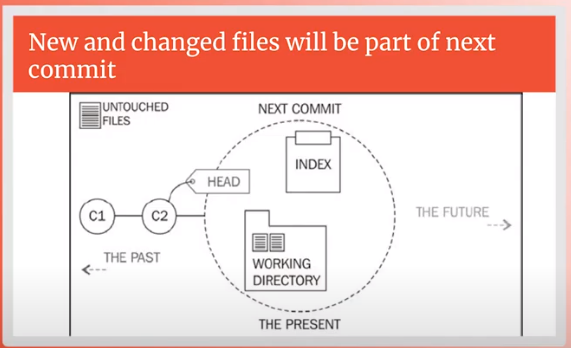


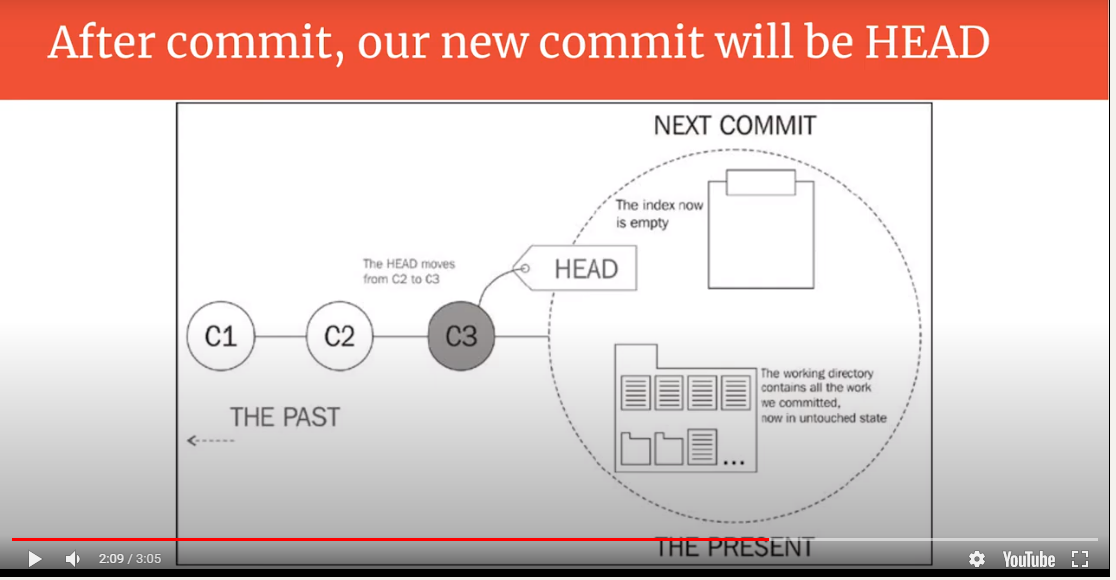
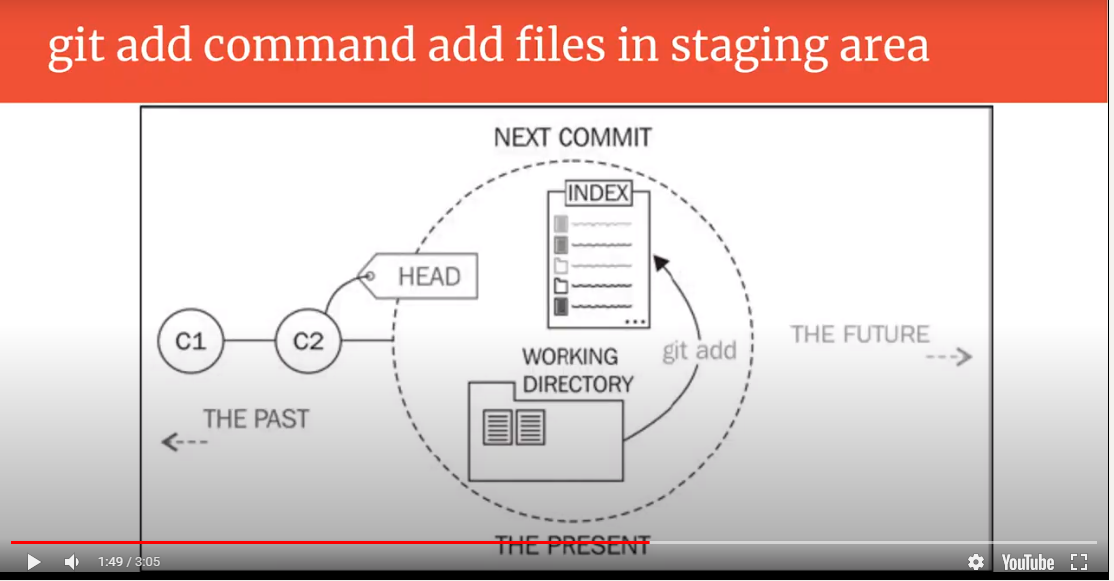


Head:

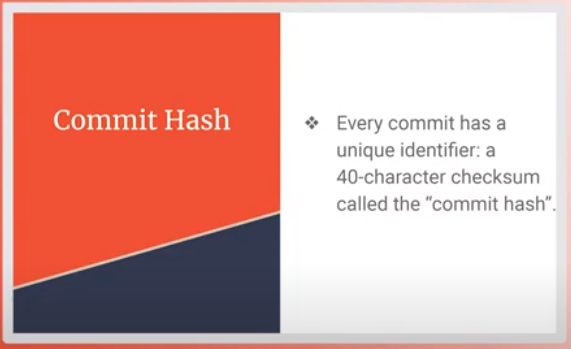
Head represent the current active (selected branch).And the last commit always represents the head.





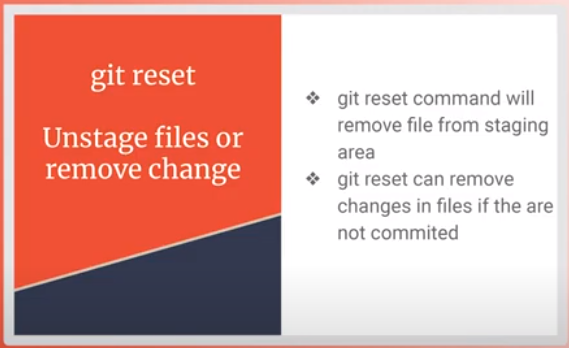


Commit Hash





Unstage Files



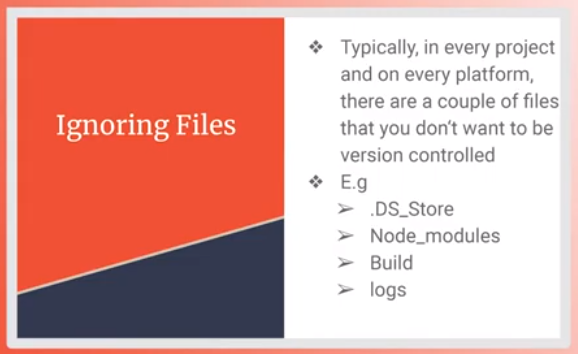


**Git reset** only un-stage (back to working state) the files.

**Git reset --hard** un-stage the files and also delete the changes that is done in those files.

**Note: Git reset and git reset –hard only work before committing the files.**

**Ignoring Files**

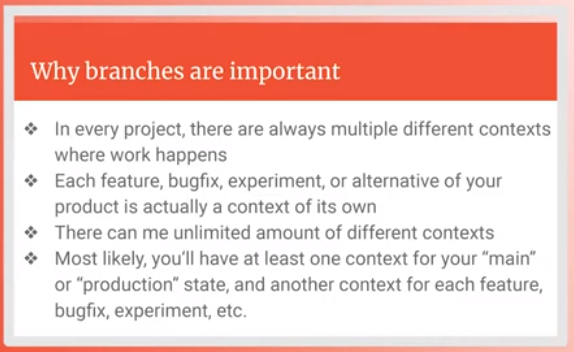


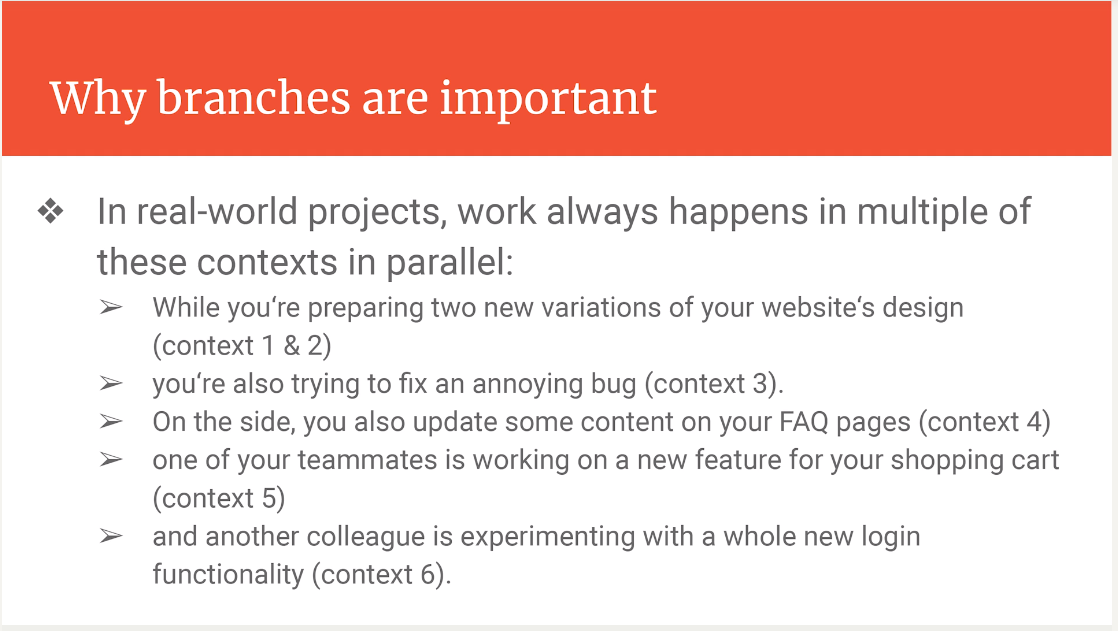


We can ignore files by defining rules in .gitignor file (this file acts as config file for git) rules means defining file name or file/folder path in .gitignor file.

**Branching and Merging**

**Branch:**







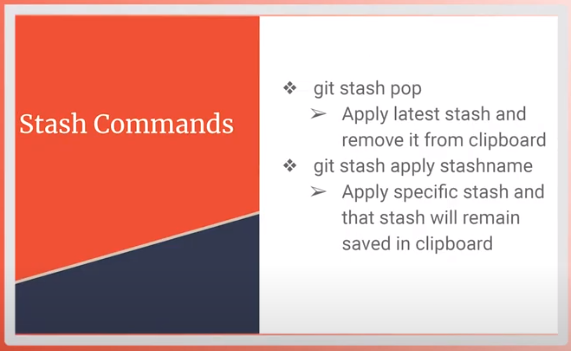
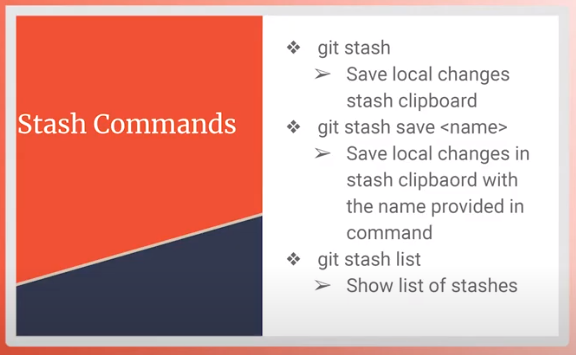
Merging

Stashing

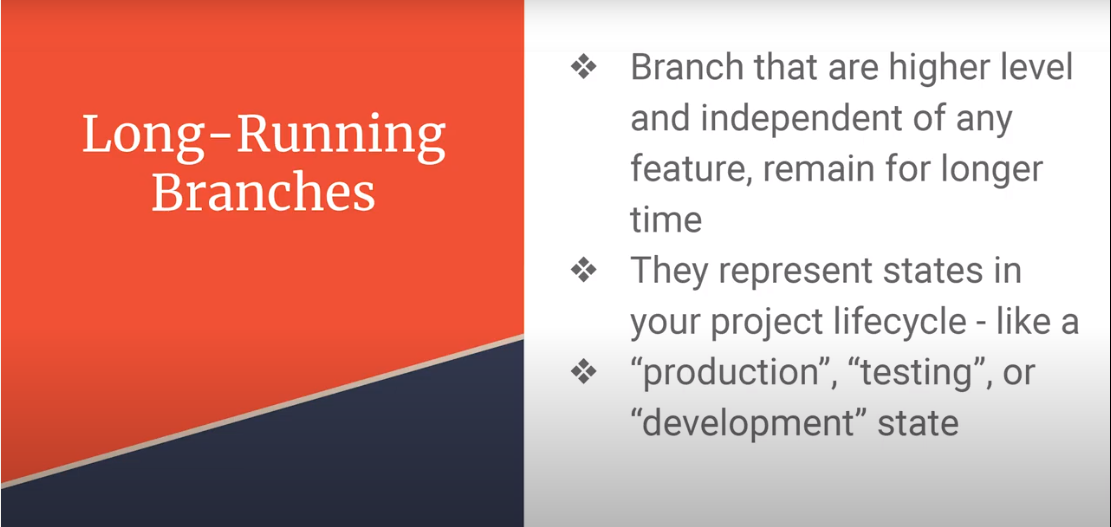




Stash Command:

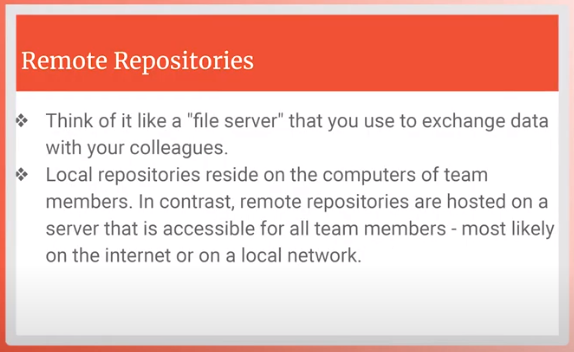


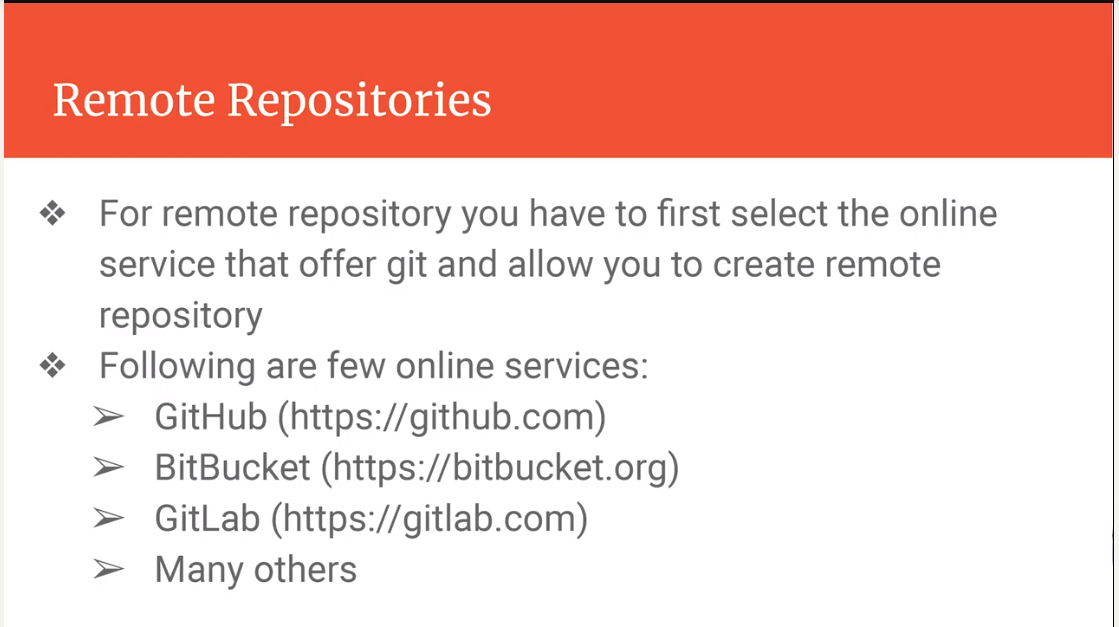




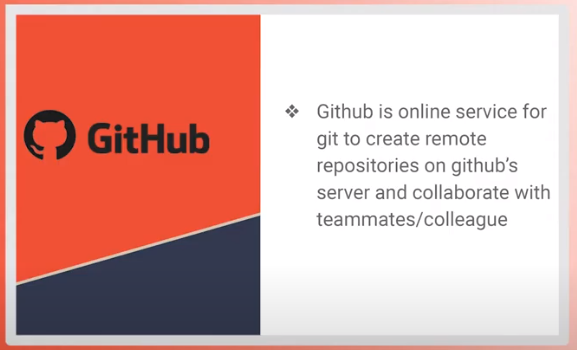
Remote Repositories:



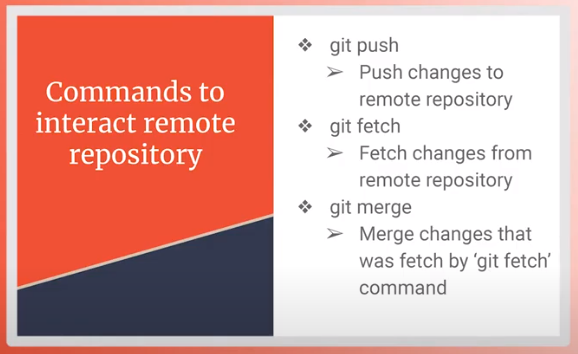


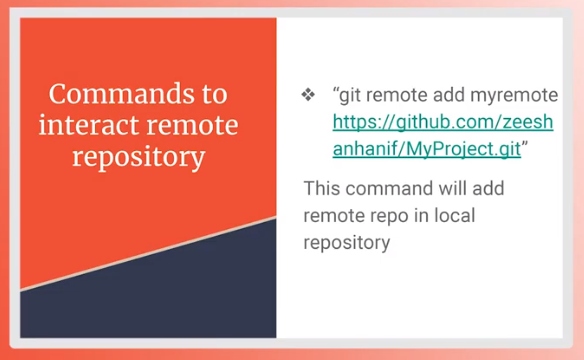
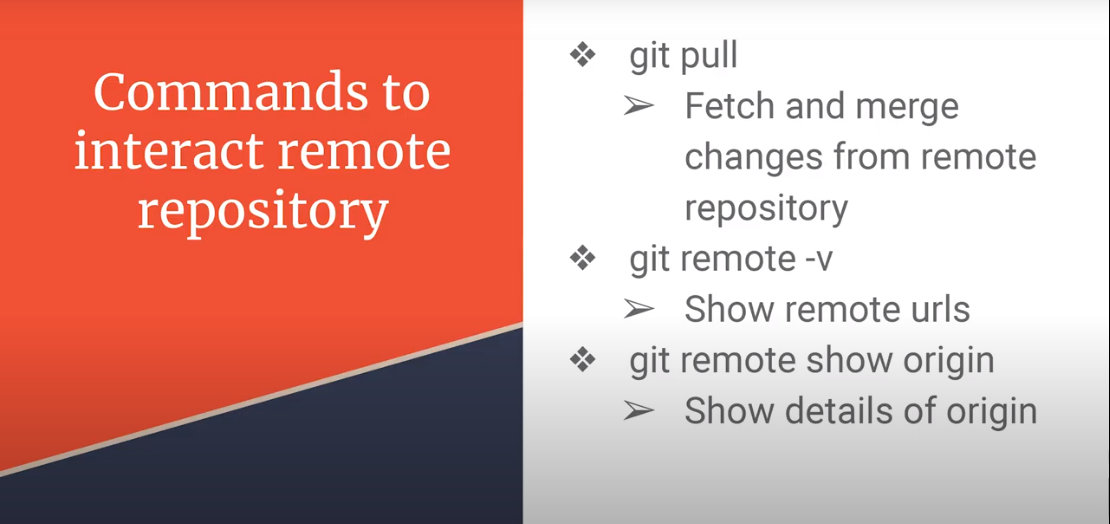


GIT HUB



Git commands





Publish local Repository to Github



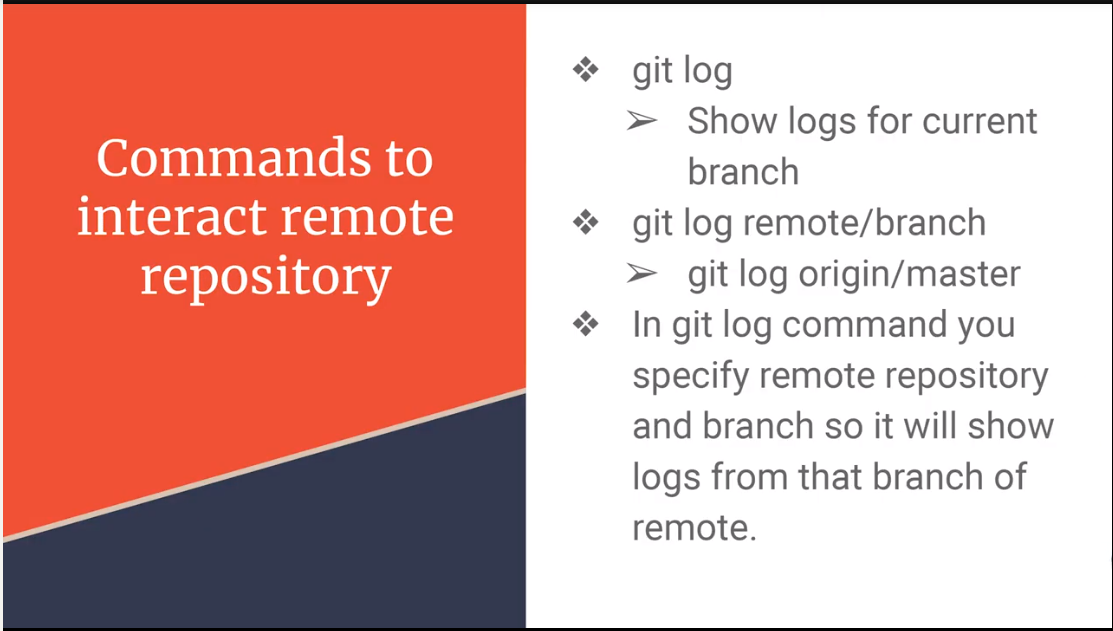
Git remote add origin

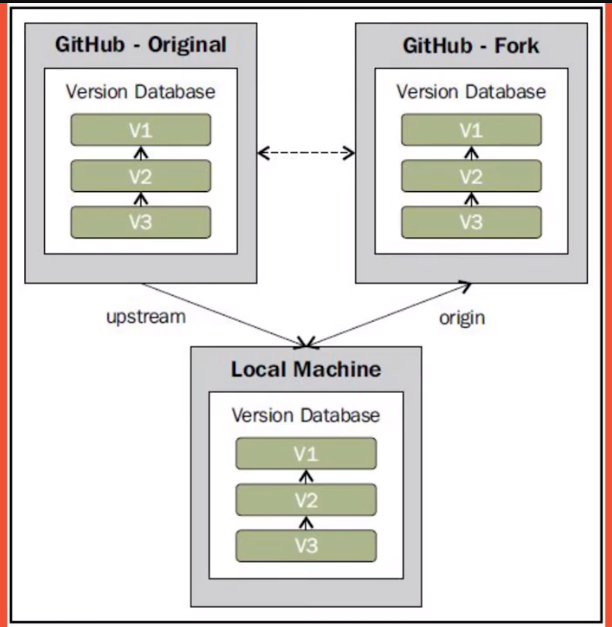
----command--- Repo Name

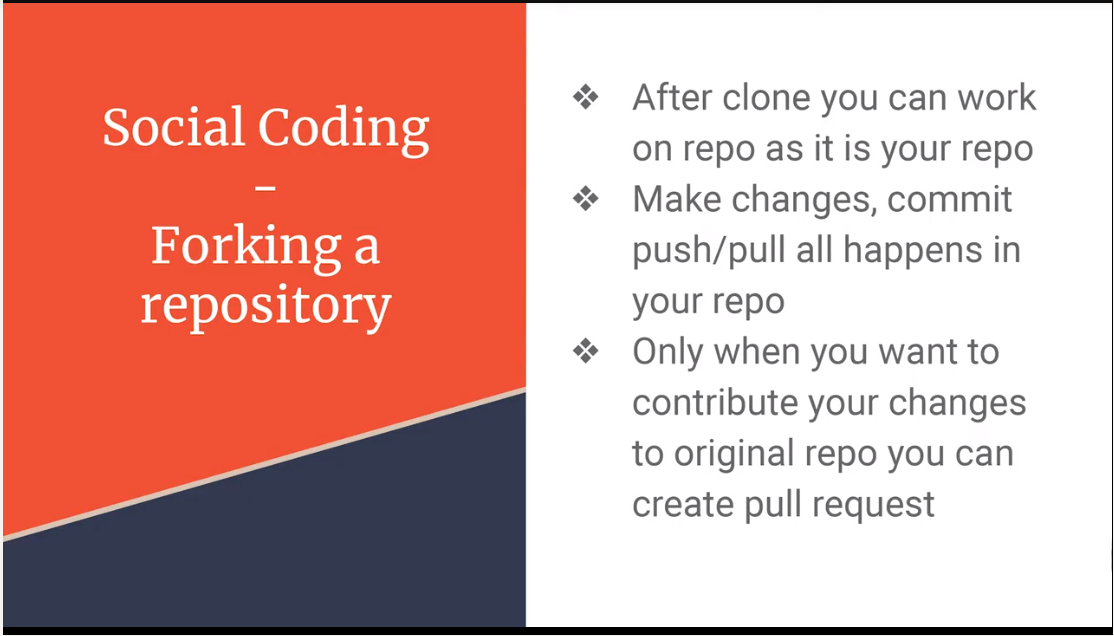
Git push –u origin master

----cmd----- repo Name branch Name









Delete branch

1. git branch –d origin test (command for delete branch from local repo).
2. git branch –dr origin/test (command for delete branch from tracked repo).
3. Git push origin –delete test (command for delete branch from remote repo).

**Note: test is the name of branch**

