git

GitHub

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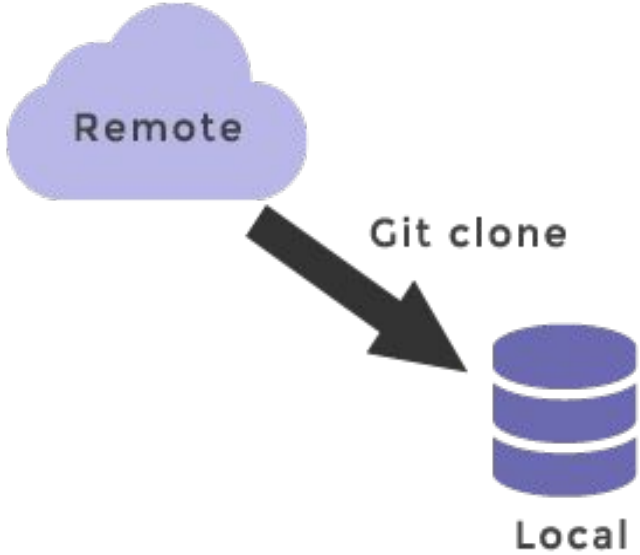
Git Clone

- Git clone is primarily used to point to an existing repo and make a clone or copy of that repo at in a new directory, at another location.
- The original repository can be located on the local filesystem or on remote machine accessible supported protocols. The git clone command copies an existing Git repository.
- `$ git clone`

  `https://github.com/` *`YOUR-USERNAME/YOUR-REPOSITORY`*



Add,Commit

git init

Creates a new git repository.

Used to convert an existing project to git repository.

git add <filename>

Adds file to the git repository.

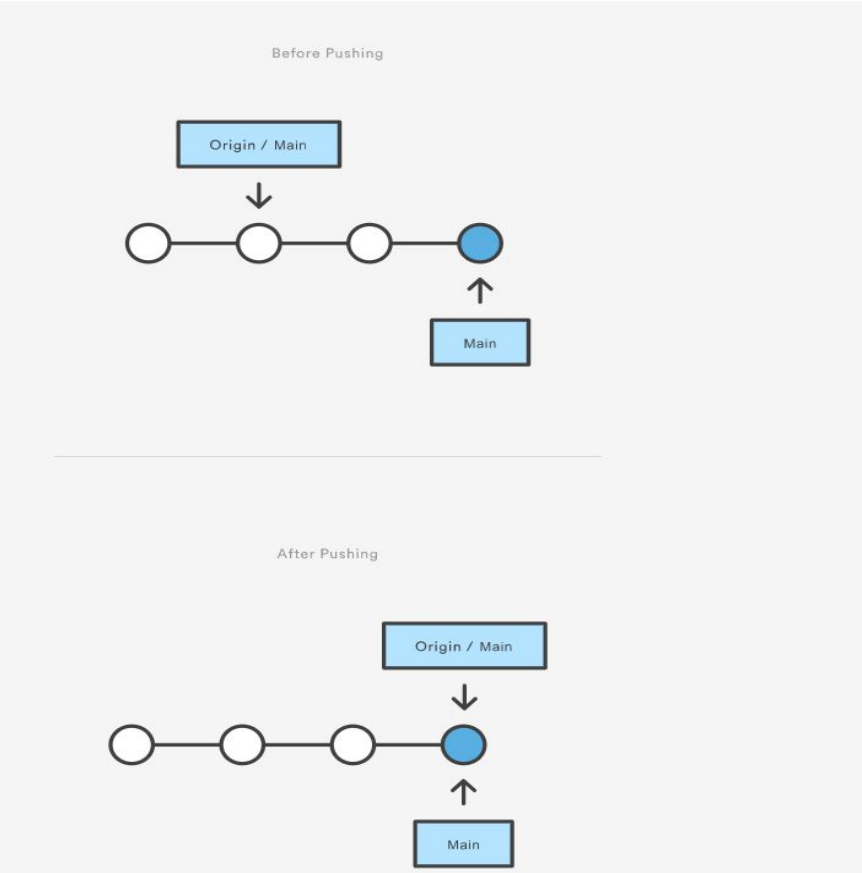
git add * -> used to add all the files to git repo.

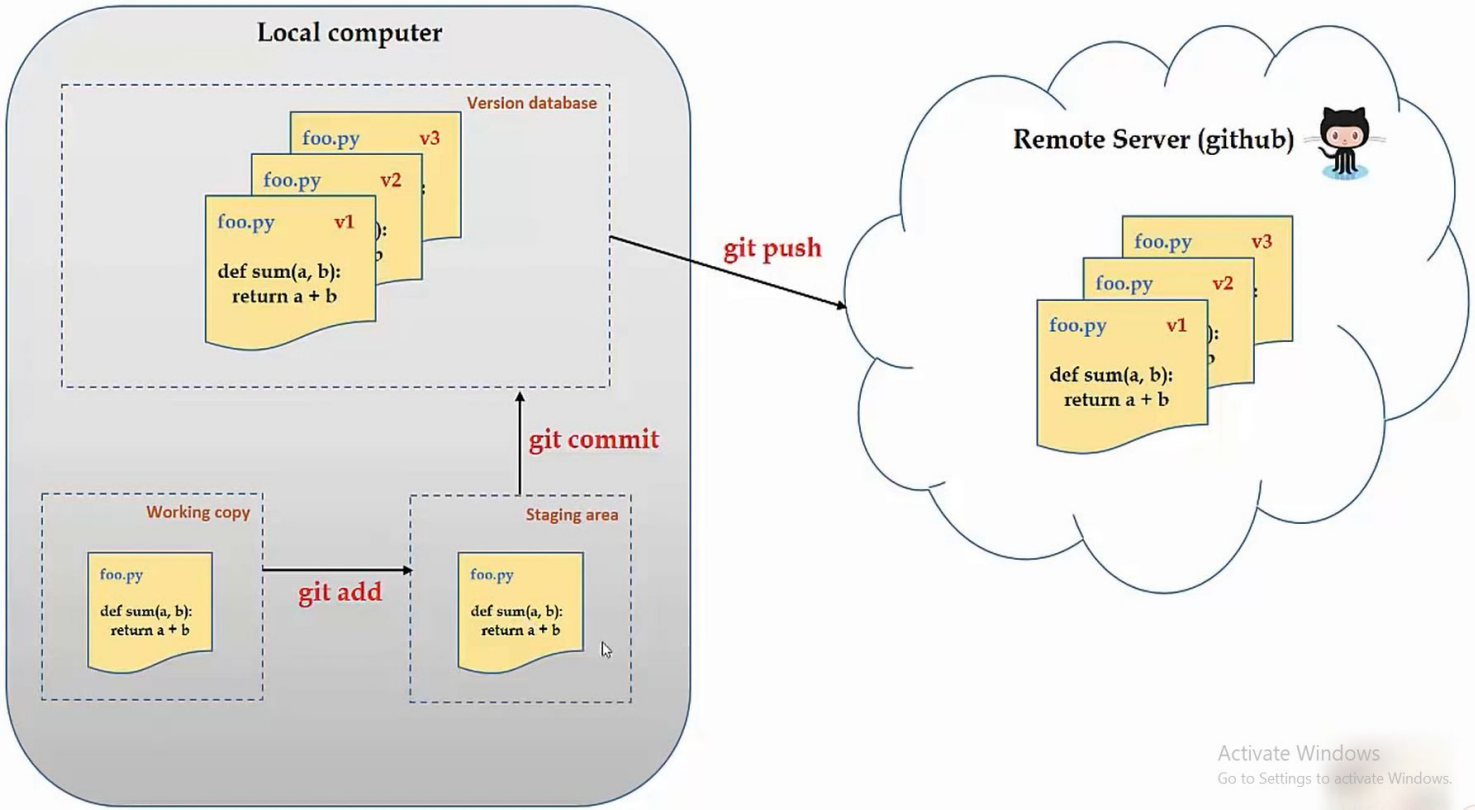
git commit

Used to fetch updates from staging area to the repository.

Git Push

The git push command is used to upload local repository content to a remote repository. Pushing is how you transfer commits from your local repository to a remote repo.



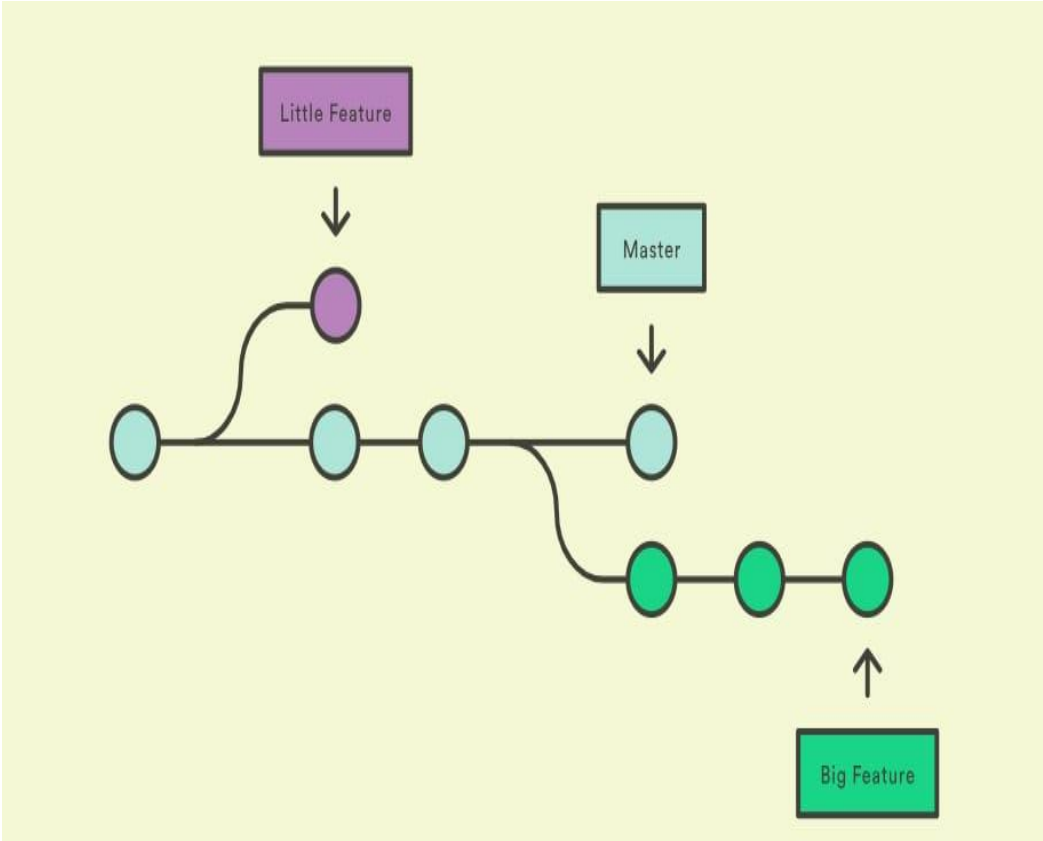


Branching

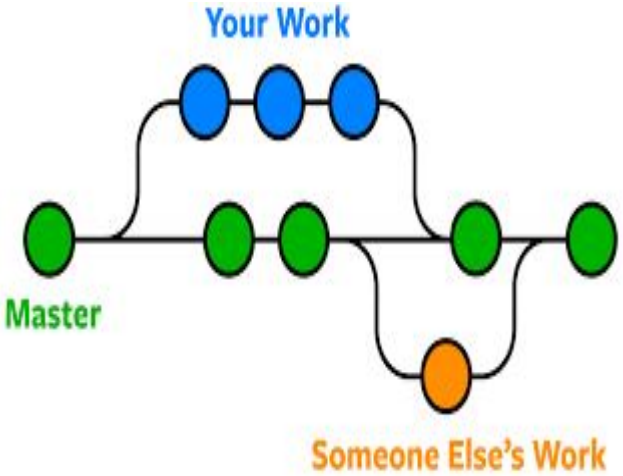
git branch

Used to create, rename, list, delete branches.

- To create - git branch <name>
- To delete - git branch -d <name>
- To rename - git branch -m <old> <new>
- To list - git branch list or git branch



Merging branches in git



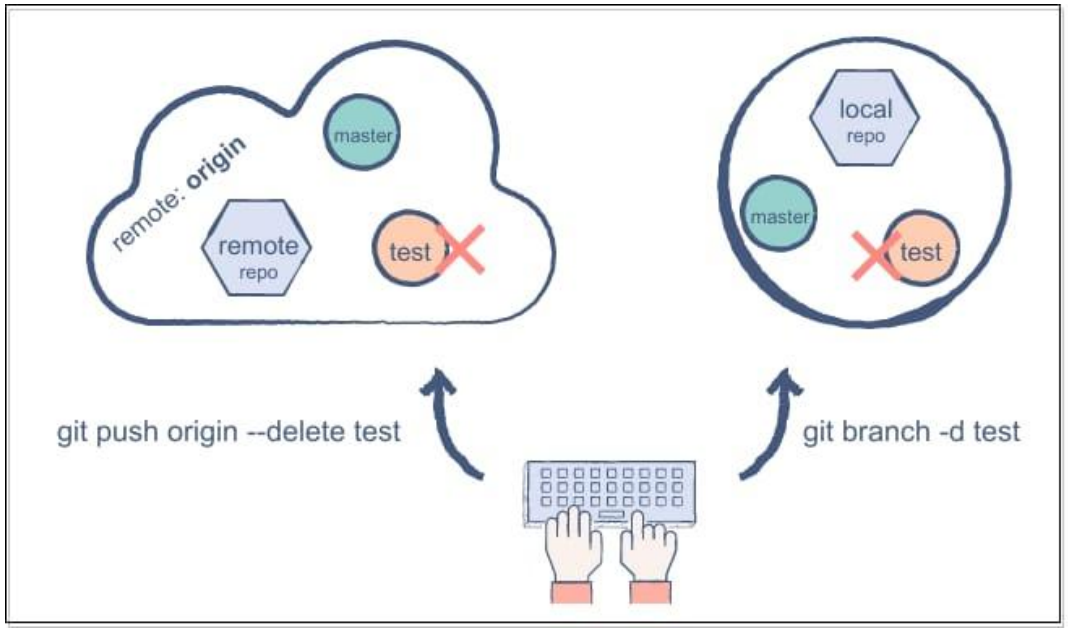
Merging locally -

git merge <name_of_branch_to_be_merged>

Basic merging steps:

1. Create a new branch
2. Switch back to main branch
3. Merge the new branch to main branch
   git merge <name_of_branch_to_be_merged>
4. After merging we can delete that new branch

Delete the branches



Delete locally-
git branch -d <branchname>

Delete remote branch-
git push <remote> --delete <branch>

Thankyou