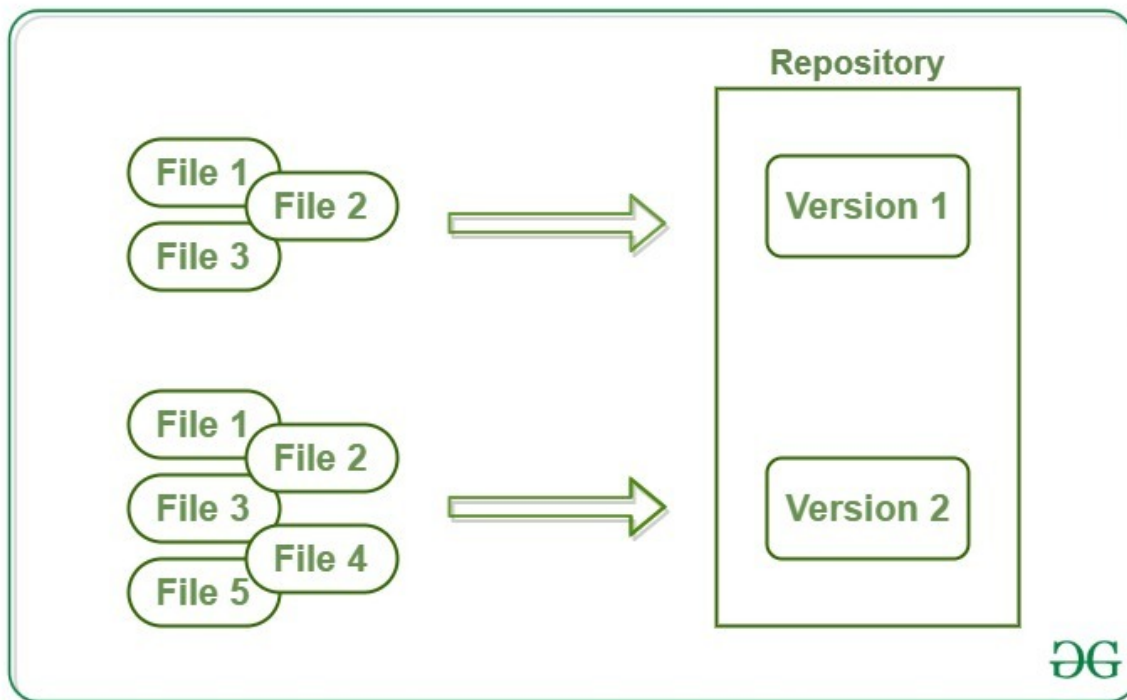
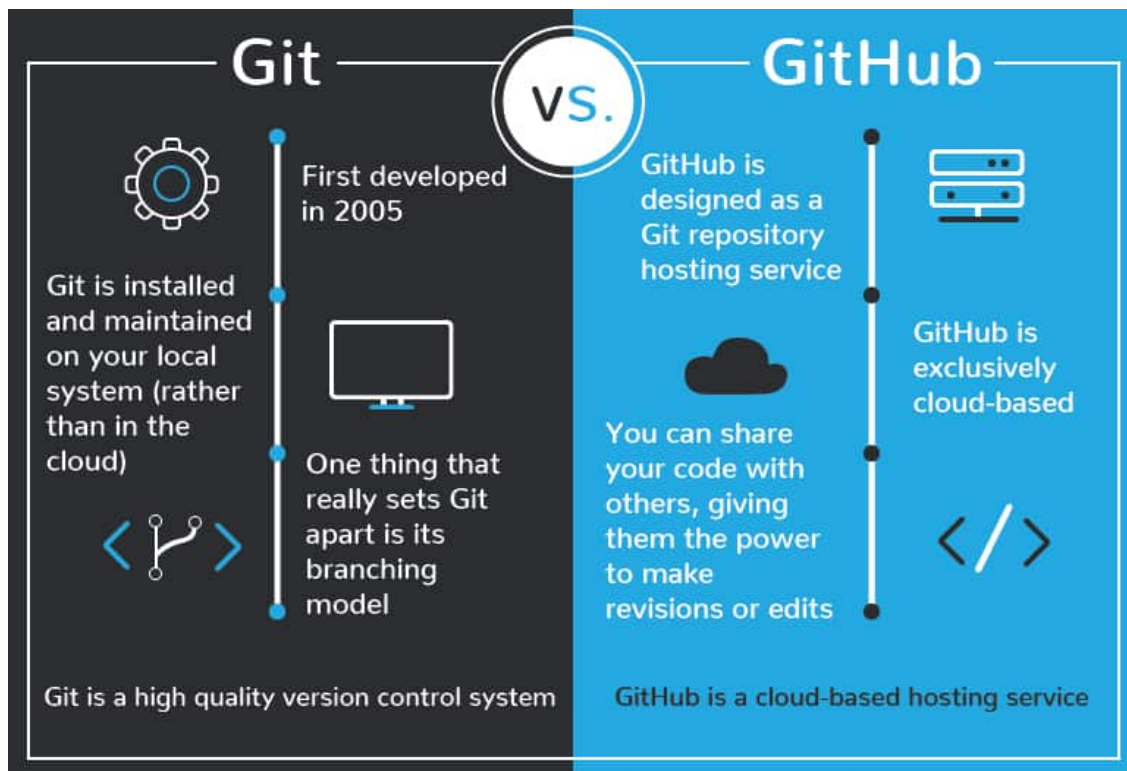
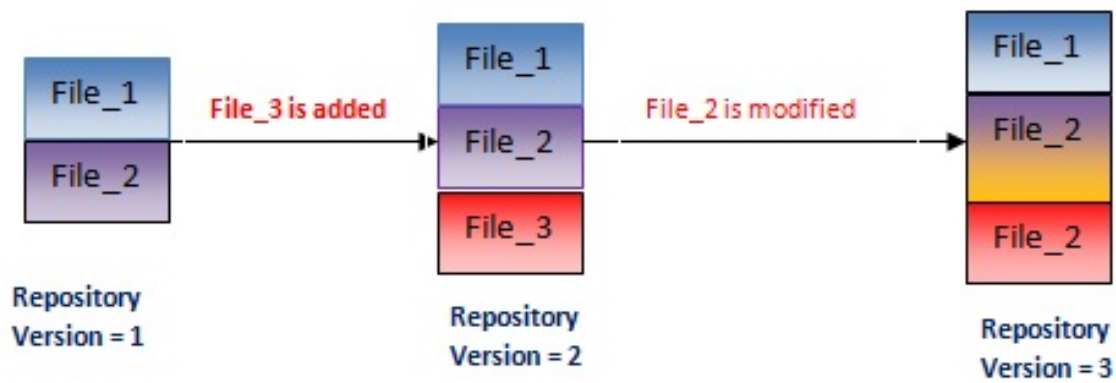


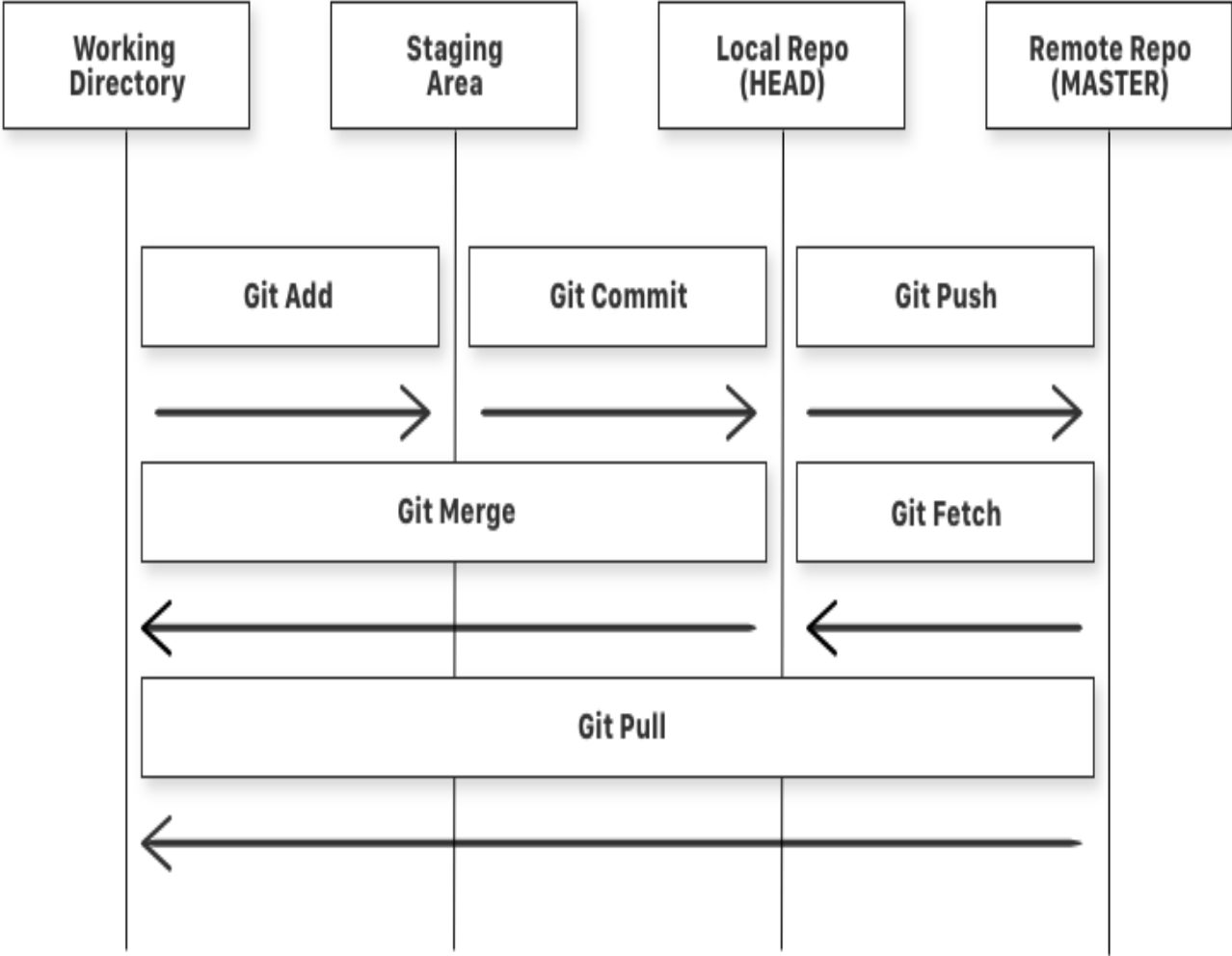
# Git vs Github



# What is git?

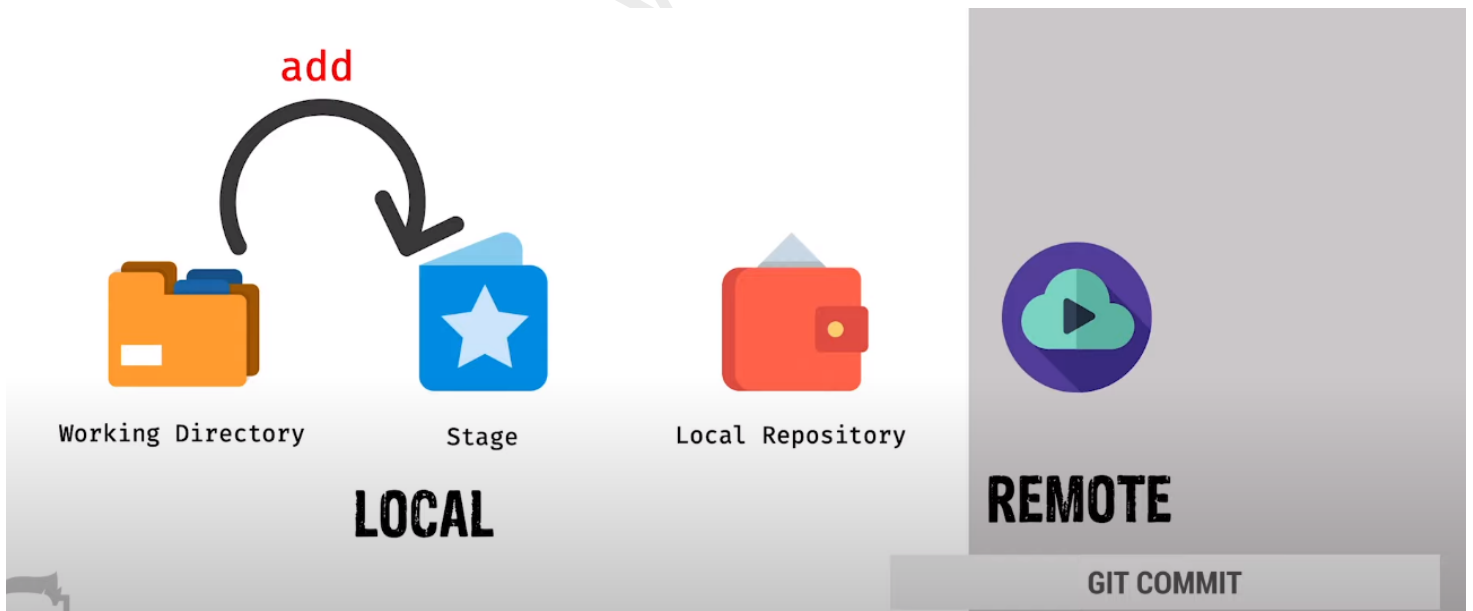
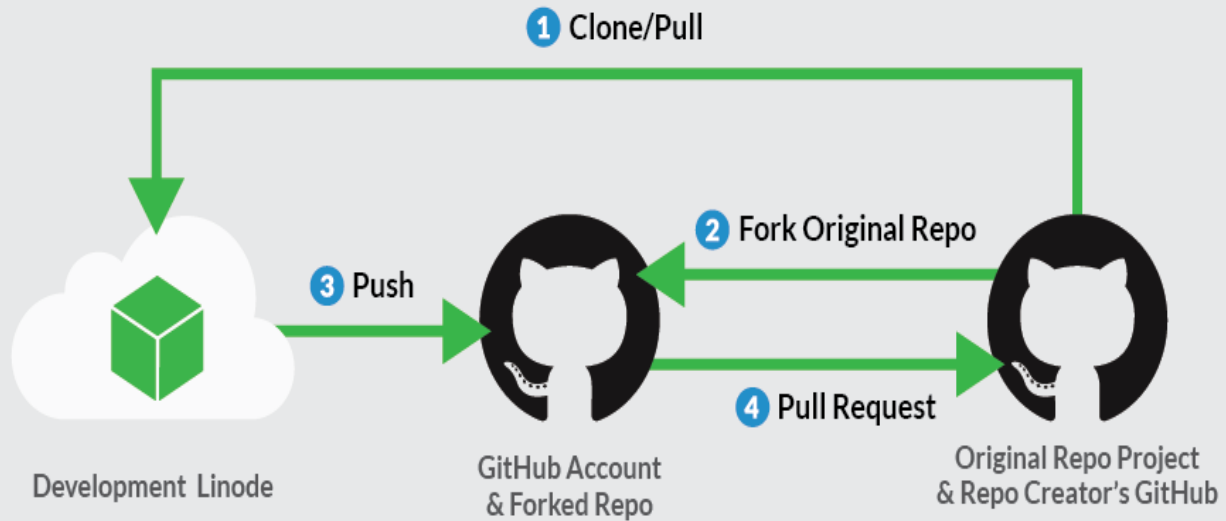


# How git Works?





# Git and GitHub

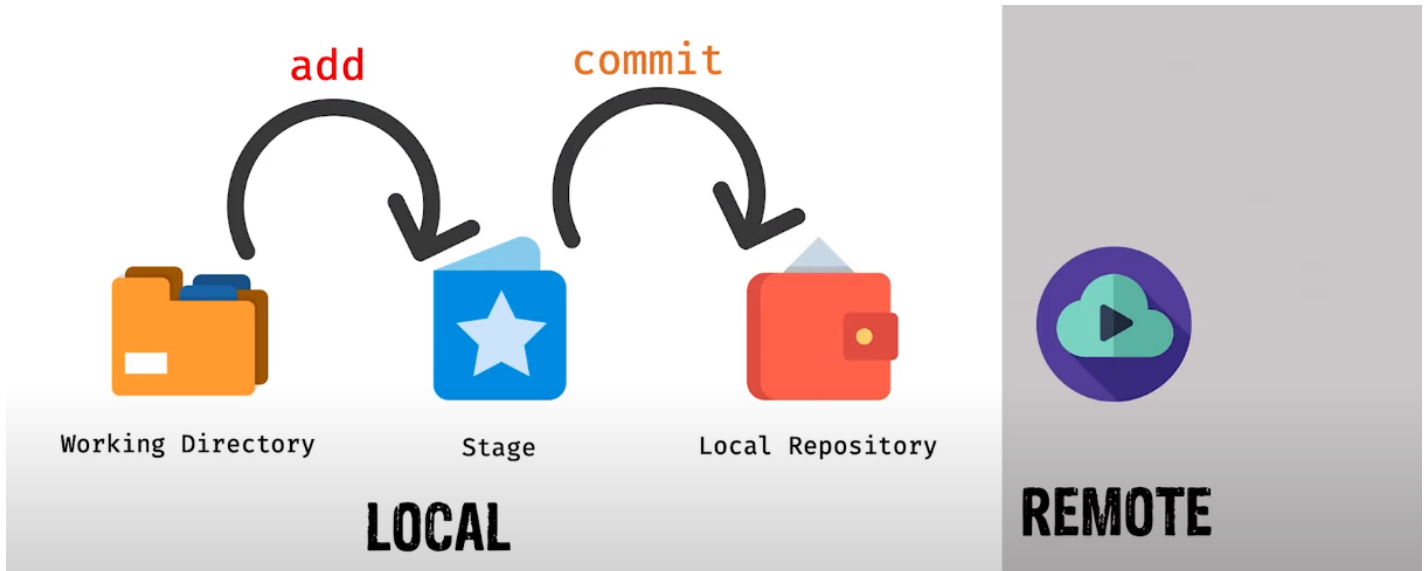


Operation	Command	phase
Make Folder	mkdir	
Change directory	cd	
Make file	touch	
Current Directory	pwd	
Back to Directory	cd ../	
Git initialize	git init	Working area
Git Add to stage	<ul style="list-style-type: none"> <li>• git add -A</li> <li>• git add --all</li> </ul>	Stage
Check status	git status	
Print File	ls	
Git Add only the file of the current folder	git add . (good practice to add every file from root dir)	Stage

To add every file except the deleted file	git add *	Stage
To do Unstage	git reset	Working Area
To add one file	git add one.txt	Stage

\*\* we add changes in stage not changed file

## Stage to Local Repository

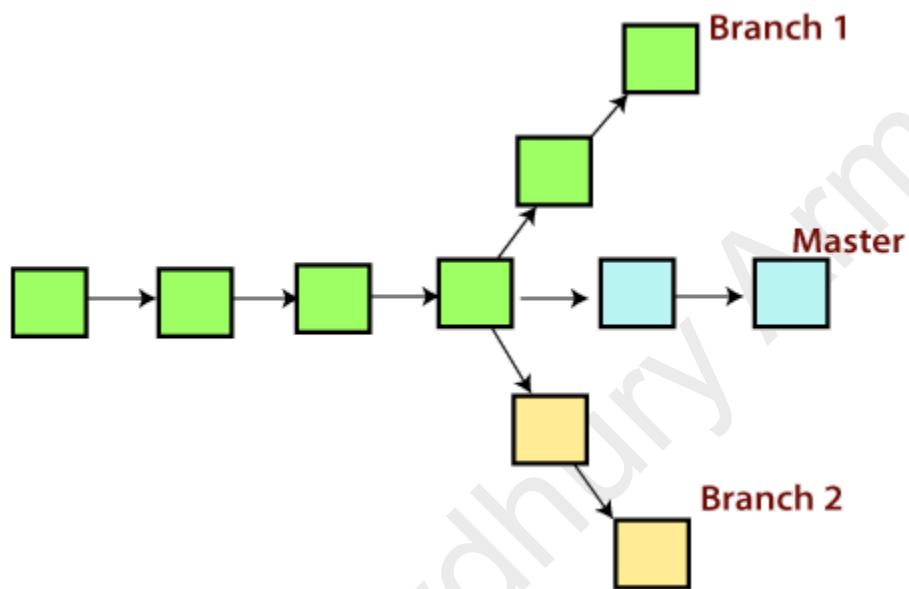


Operation	Command	Phase
Commit	<code>git commit -m "I change the name"</code>	Local repository
To undo everything to working directory	<code>git reset HEAD~</code>	Working Directory
If we rollback the deleted file also	<code>git reset --hard</code>	
Delete & stage up the changes	<code>git rm roll.txt</code>	Stage
Forcefully delete	<code>Git rm roll.txt -f</code>	

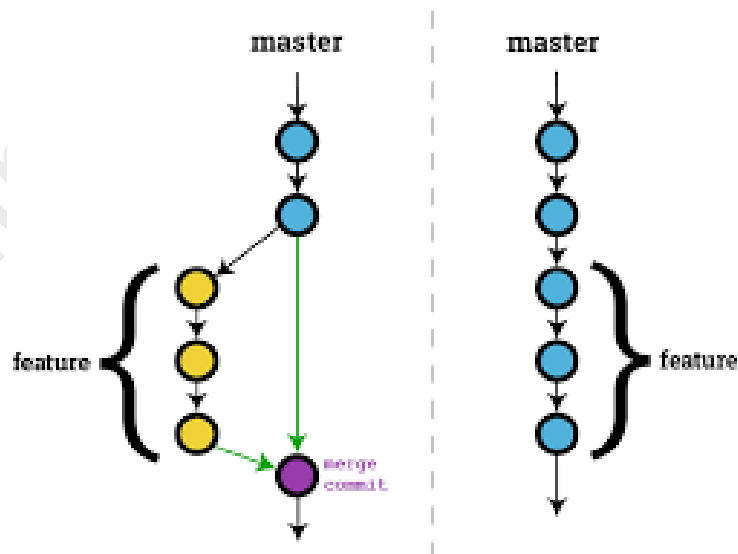


# Branching

Master changed into Main Now



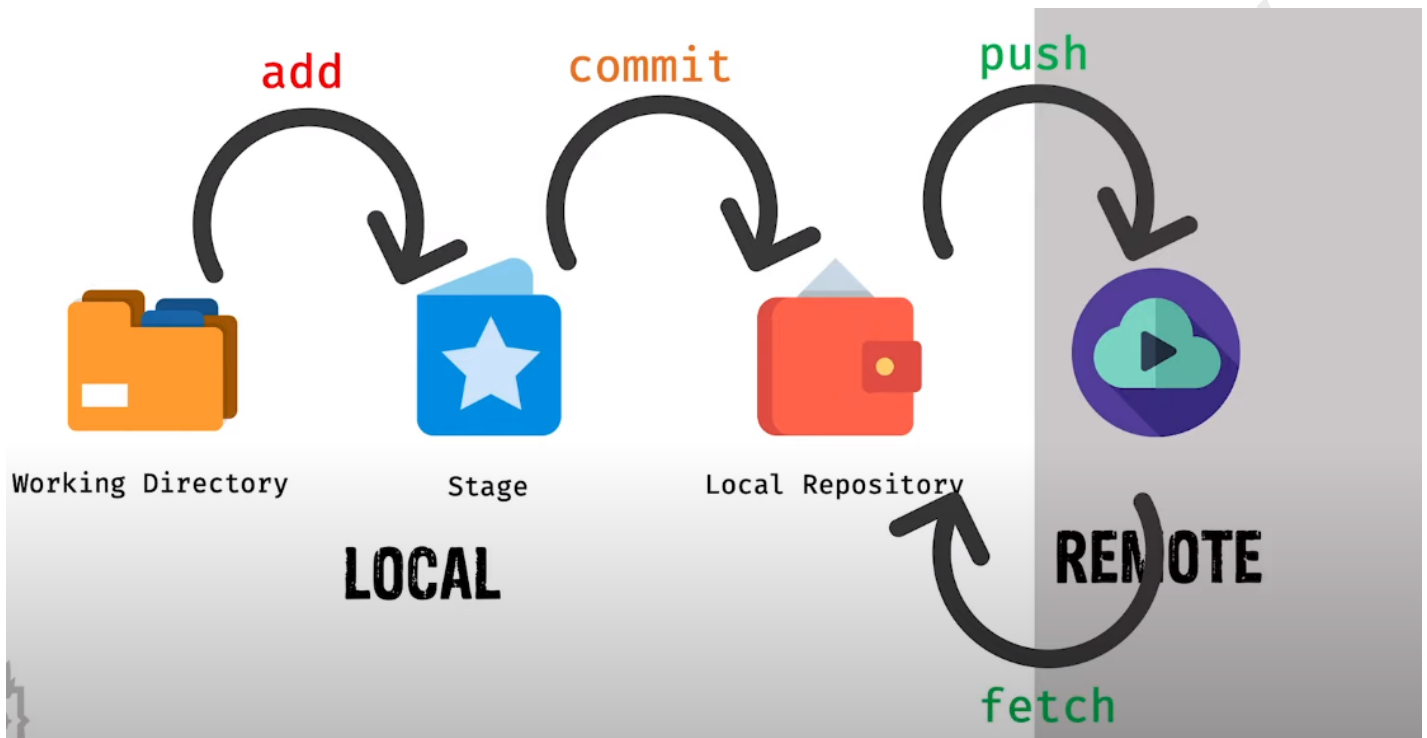
# Merging



Check How many branches	git branch
Create new branch	git branch name
To work in new branch	git checkout name
If want to merge main branch with development	git merge main (-m "merge..")
Merge conflict(change in same line in two branch)	

Remote

Fetch



To bring changes to local we have to use [fetch](#) .

Fetch doesn't bring changes to Working directory.

If we want to bring changes directly to working directory  
then we use [pull\( fetch + merge\)](#).

To push the code from stage to remote(origin means remote)	git push origin main	
pull to working directory	git pull	

If we want to upload whole local branch to remote in same name:

`git push --set-upstream origin localbranchname`

If we want to push files from local branch to different remote branch:

`git push origin localbranch:remotebranch`