



# Remote Repository (GitHub)



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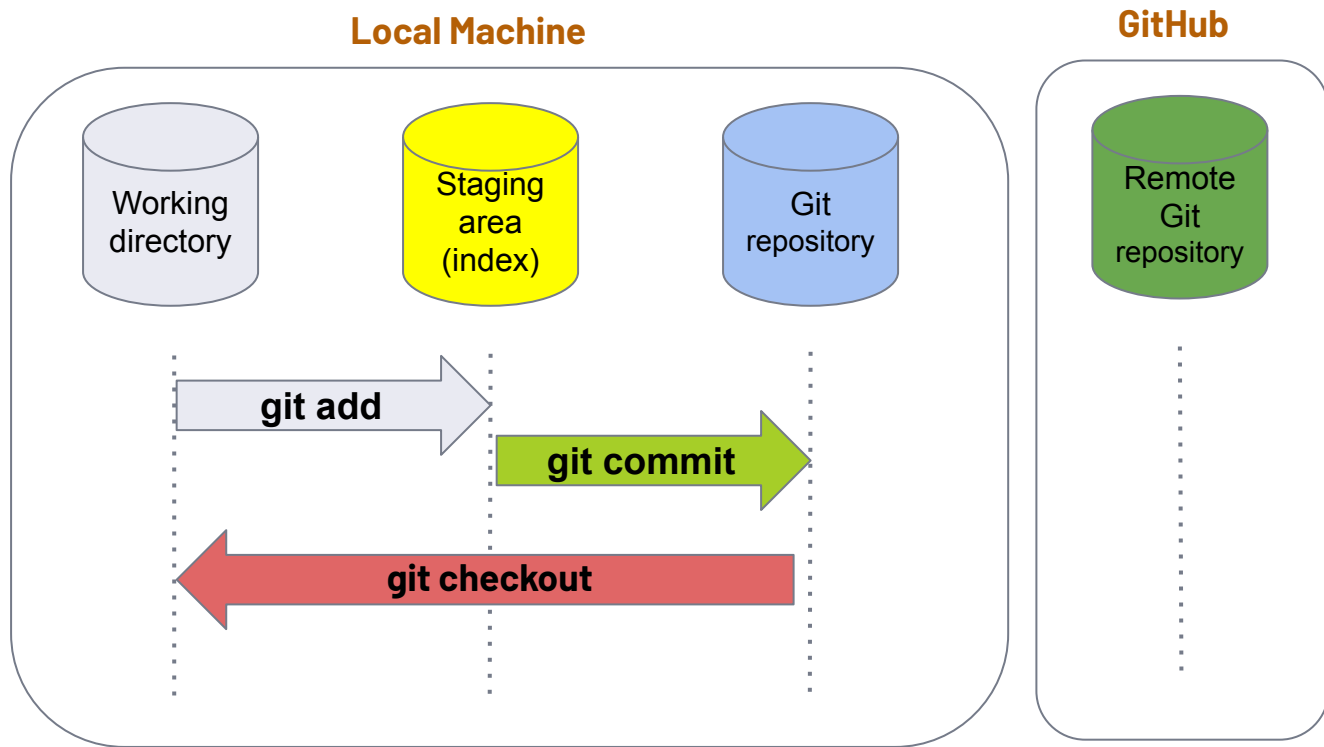
1

# Recap- Git Workflow



# Recap-Basic Commands

git init  
git status  
git add .  
git rm --cached  
git commit -m "abc"  
git log  
git checkout **commitID**





# Recap-Branches

git branch **branch\_name**

git branch

git branch -r

git branch -a

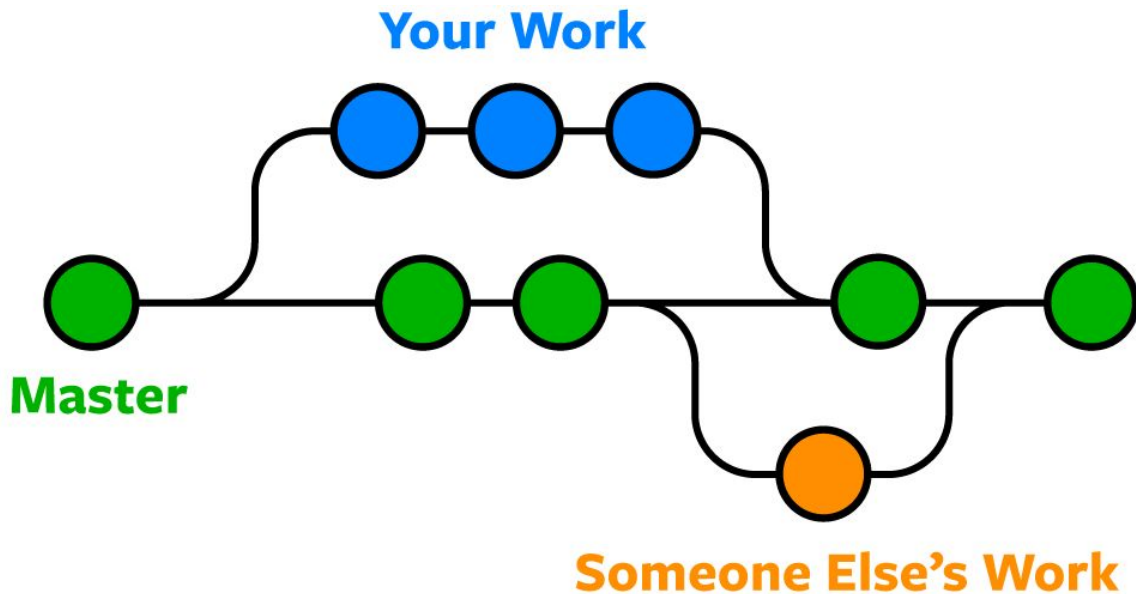
git checkout **branch\_name**

git checkout -b **branch\_name**

git branch -d **branch\_name**

git branch -D **branch\_name**

git merge **branch\_name**

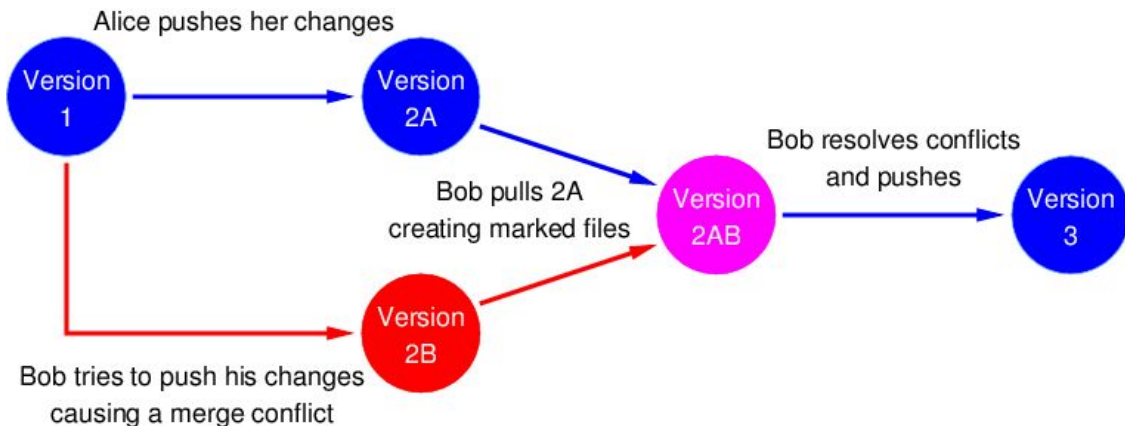
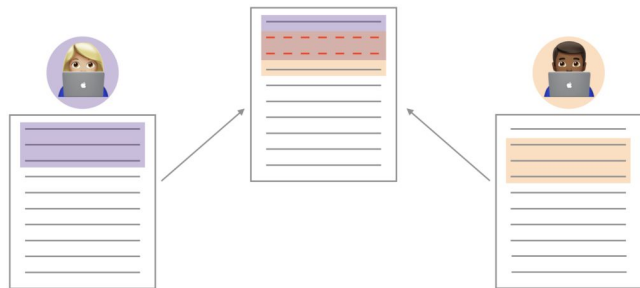




# Merge Conflicts

**Merge conflicts** happen when you merge branches that have competing commits, and Git needs your help to decide which changes to incorporate in the final merge.

**Same files were edited in both branches**





2

# Remote Repository (GitHub)

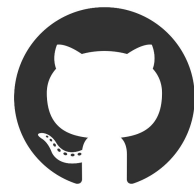
# Github - Remote Repository



Git

&

GitHub



Distributed  
version-control system

Repository hosting service





# Github - Remote Repository



Bitbucket

+ Follow

+ I use this

Stacks	Followers	Votes
25.8K	19.2K	2.8K



GitHub

+ Follow

+ I use this

Stacks	Followers	Votes
132.1K	99.8K	10.1K



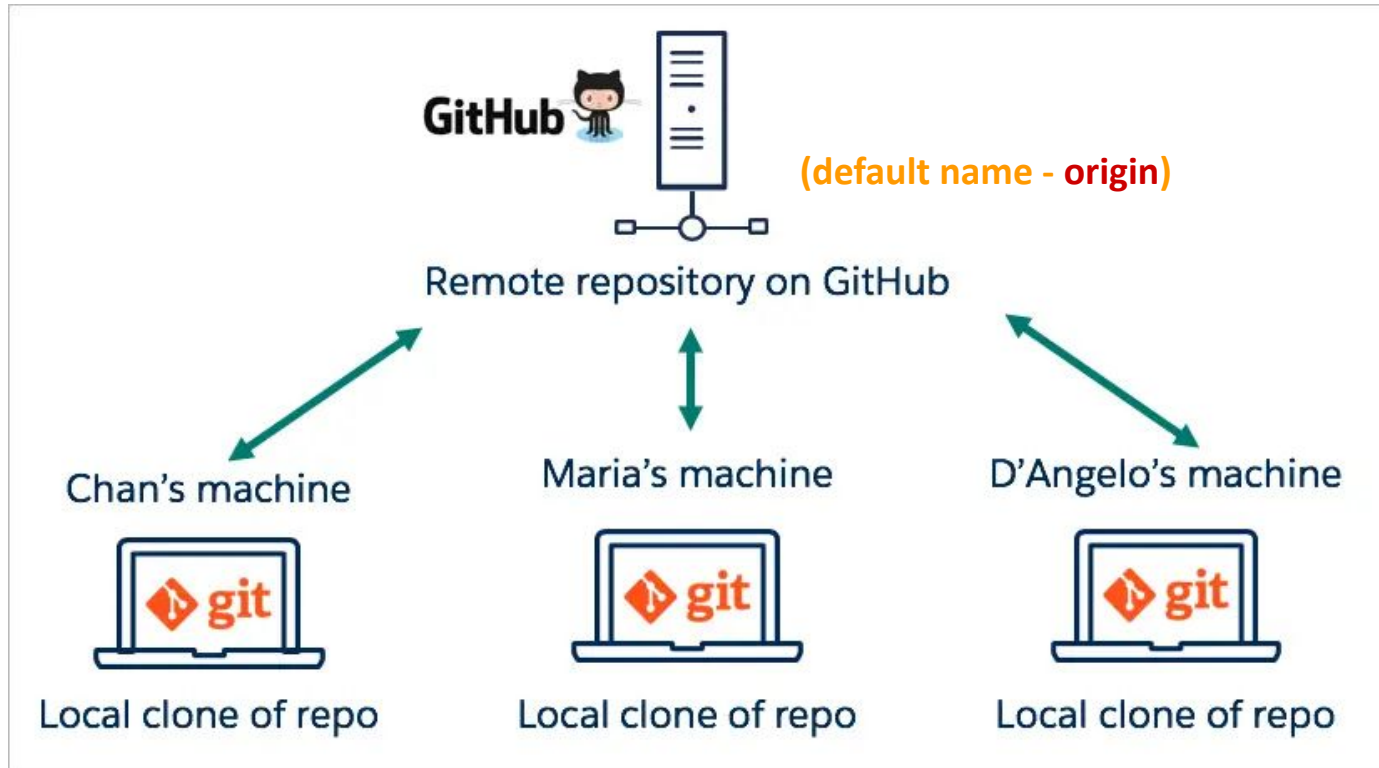
GitLab

+ Follow

+ I use this

Stacks	Followers	Votes
30.5K	23.4K	2.3K

# Github - Remote Repository





# Github - Remote Repository

- Act of copying a repository from remote server to your local machine is called **cloning**
- Cloning allows team to work together
- Downloading commits from others : **fetch, merge**
- Downloading commits from others : **pull (fetch + merge)**
- Uploading your commits (local changes) to remote : **push**

# Connecting your local with remote

→ connect to remote repo

```
git remote add origin Repo address
```

```
git remote -v
```

origin = alias for your repo address

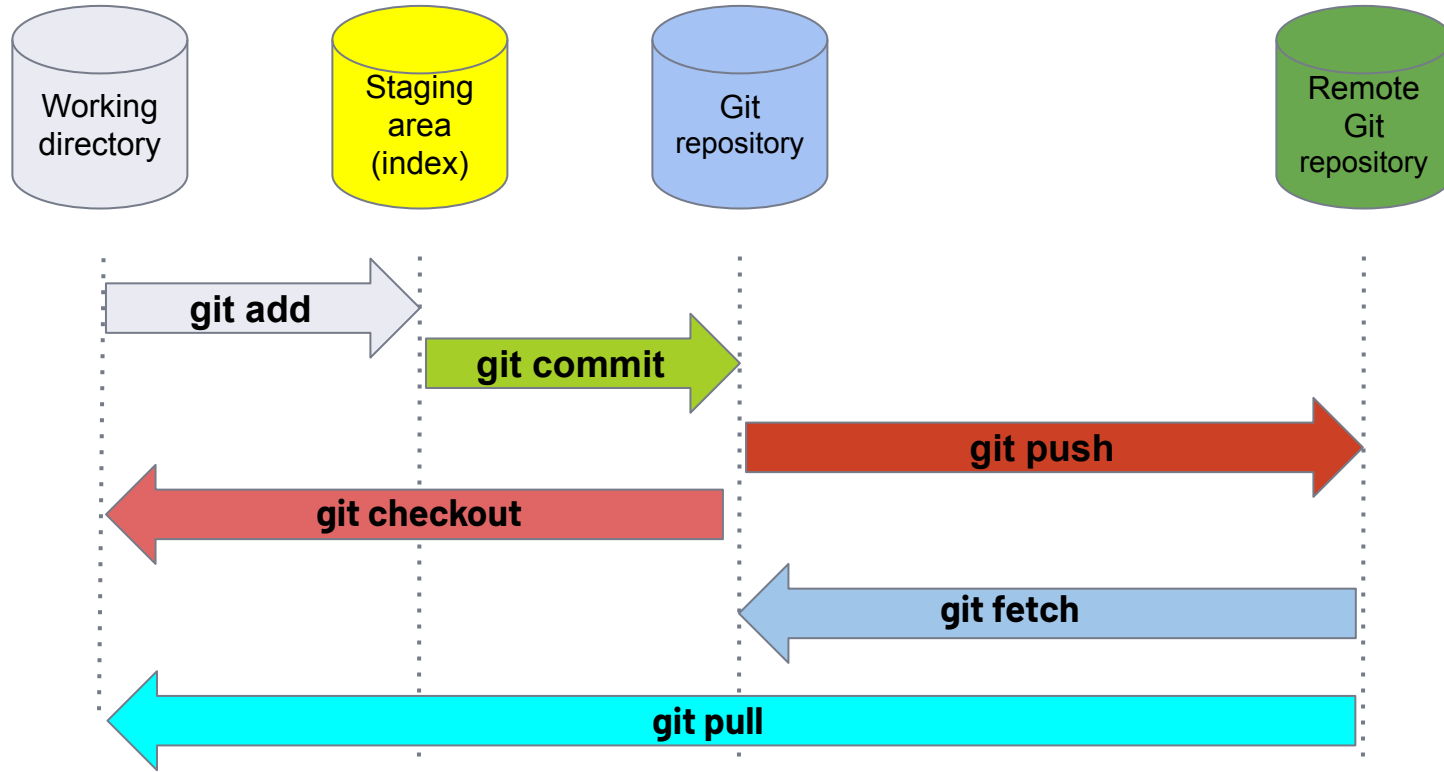
→ first push

```
git push -u origin master
```

→ remove remote origin

```
git remote rm origin
```

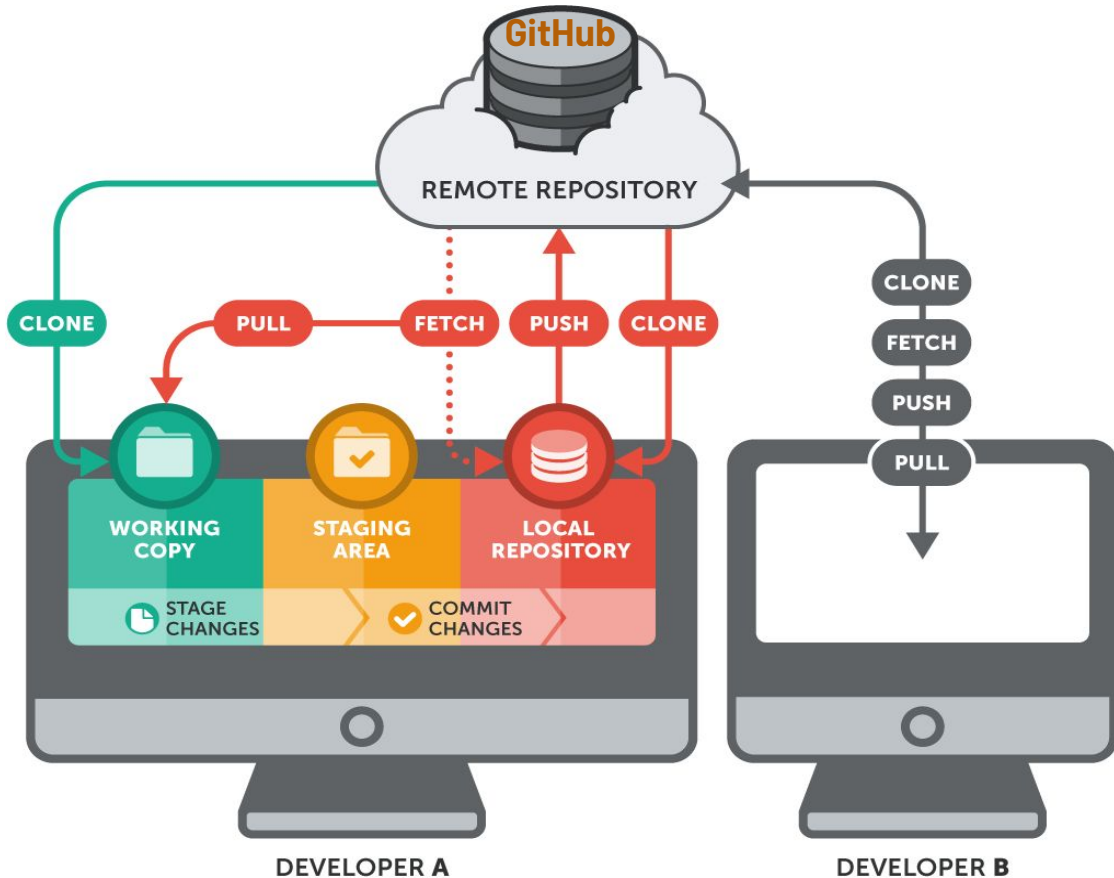
# Github - Remote Repository





## Summary

# Git Basics





# THANKS!

## Any questions?

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