

# Cheat Sheets

## Git Commands

### Git Commands Cheat Sheet

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#### Basics

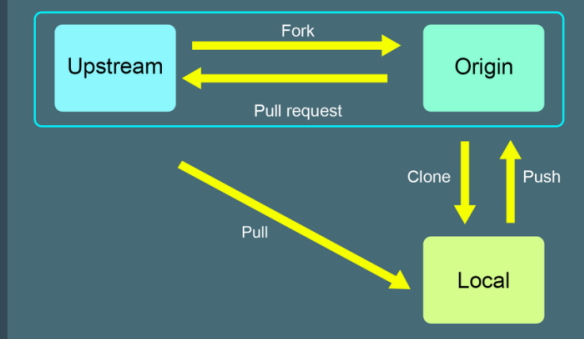
**git help [commands]**

Use this when you are stuck

##### Terminology

main	default primary branch
origin	default upstream branch
HEAD	current branch
HEAD^	parent of HEAD
HEAD~3	great grandparent of HEAD

#### Start to Work



##### git init

create a new local Git repo

##### git clone

copy a repo

##### git pull

fetch remote version and update local branch

##### git add [file]

stage changes to tracked and untracked files

##### git commit

commit previously staged changes

##### git push origin HEAD

push local changes to the origin

#### Branches

##### Git Branch WorkFlow



##### git branch --all

list all the local and remote branches

##### git checkout hotfix

change to an existing branch called hotfix

##### git checkout main

##### git merge hotfix

merge branch changes from hotfix to main

##### git log --graph --oneline

show a pretty branch history

#### Conflicts

##### git diff

see specific local changes

##### git diff --ours

compare the working tree with our branch

##### git diff --theirs

compare the working tree with their branch

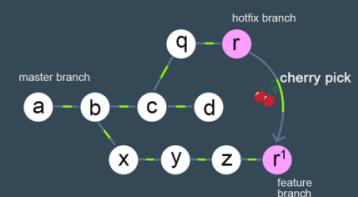
#### Useful Tools

##### git archive

create release tarball

##### git cherry-pick [commit-id]

enable arbitrary Git commits to be picked by reference



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