Git Cheat Sheet

by datamansam via cheatography.com/139410/cs/32023/

Cheatography

Git Status					
Displays the state of the working directory and the staging area					
Files in the working directory:	listed under "Changes not staged for commit"	Files in the staging area:	Listed under "Changes to be committed"	Files in the local repo:	Nothing to commit (working directory clean)

Git Diagram



Working Directory <-> Staging

Working Directory -> git add -> Staging
Working Directory <- git checkout/merge <-
Staging

Working Directory <- git diff -> Staging

Making changes

git add fileName
git add .
git add -p <fi- le></fi-

Evaluate changes

diff of what is changed but not	git diff -
staged	-

Branches

Reverting changes

Unstage a file while re the changes in workin directory	0	git reset fileName
diff of what is staged b commited	out not yet	git diff staged
Start Project		
Create Project	git init dire oryName	ect-
Download remote repo	git cline u	IrName
local <-> remote		
local -> git push -> remote		
local <- git pull/fetch <- remote		

Remote to loca

Git fetch	Bring down all branches from Git remote
Git pull	Fetch and merge commits from remote branch

Local to remote

git	Transmit local branch commits to
push	the remote repository branch

Checking the Status of a Git Repo

List all branches	git branch	C
Add a branch	git branch NameOf- NewBranch	F c tl
Switch to specified branch in working directory	git checkout BranchName	r C E
Join specified [from name] branch into your current branch (the one you are on currently)	git merge fromName	
show all commits in the current branch's history	git log	A
Staging <-> Local Repo		T
Staging -> git commit -> Local Repo		
Staging <- git reset <- Local Repo		
Staging <- git diffstaged ->	Local Repo	

Staging <- git checkout HEAD filename <-Local Repo

(git checkout HEAD filename command rolls back all changes that have been made to filename since the last commit)

Committing to remote	
6 6	it commit -m nessage'
0 0	it commit -am nessage'



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Git status: Helps - show the user the files they would commit by running git commit and the files they could commit by running git add before running git commit Git diff filename: Displays the differences between the working directory and the staging area in one specific file git diff hello.txt Git log: Shows all the commit logs for a project -A 40-character code, called a SHA, that uniquely identifies the commit. The commit author The date and time of the commit The commit message

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