

Git CheatSheet

Help	
Get Help	git help <i>command</i>
Clone/Copy Repo	
Copy Repo	git clone <i>source [destName]</i>
Checking what has Changed	
What files changed?	git status
What changed in a file?	git diff <i>fileName</i>
What changed in a file between commits?	git diff <i>commit1 commit2 fileName</i>
Check History Logs	git log [<i>fileName</i>]
Saving Changes (2 step process)	
1a) Stage Changes – certain changes	git add <i>fileName1 fileName2</i>
1b) Stage Changes – all changes, even new files	git add .
2) Commit Changes	git commit -m " <i>commit message</i> "
Undoing Things	
Undo staging	git reset HEAD <i>fileName</i>
Undo unstaged changes	git checkout -- <i>fileName</i>
Working with a Remote	
Get the latest updates	git pull
Share your Changes	git push
1 st time pushing branch	git push origin <i>branchName</i>
Push to Remote	git push origin <i>tagName</i>
See all branches including remotes	git branch -a
Base work on a remote branch/merge back to it	git checkout --track <i>origin/branchName</i>
Tags	
Create a tag	git tag -a <i>tagName</i> -m ' <i>tag description</i> '
List Tags	git tag
List tags with certain name	git tag -l <i>partialName*</i>
Get info on a tag	git show <i>tagName</i>
Push to Remote	git push origin <i>tagName</i>
Merge from another branch to this one	git merge <i>branchMergingFrom</i>
Branches	
See what branches exist (current marked with *)	git branch
Switch branch	git checkout <i>branchName</i>
Create & switch to branch (branches from current one)	git checkout -b <i>branchName</i>
See all branches including remotes	git branch -a
Base work on a remote branch/merge back to it	git checkout --track <i>origin/branchName</i>
1 st time pushing branch	git push origin <i>branchName</i>
Delete Local Branch	git branch -d <i>branchName</i>
Delete Remote Branch	git push origin <i>:branchName</i>
Resolving Merge Conflicts	
1) Make changes	<i>use your favorite text editor</i>
2) Delete <<<<<<<, =====, and >>>>>>>	<i>use your favorite text editor</i>
3) Stage the conflict resolution	git add <i>nowMergedFile</i>
4) Commit the merge	git commit
Create New "Remote" Repo	
Create Repo with only the database info (no source)	git init --bare --shared <i>myRepoName</i>
Push to Remote for the first time	git push origin master