

yet another git cheat sheet (using github)

set username	git config --global user.name "<username>"	
set email	git config --global user.email <email-address>	
make git case insensitive	git config --global core.ignorecase true	
initialize local repo	git init	
add a remote (use 'origin' for remote name)	git remote add <remote-name> git@github.com:<account-name>/<repo-name>.git	cherry pick from a local branch (e.g. if committed to a wrong branch)
add single file	git add <filename>	//get the sha of the commit git checkout <correct-branch-name> git cherry-pick <sha> git push origin <correct-branch-name> git checkout <incorrect-branch-name> git reset -hard HEAD^ git push origin <incorrect-branch-name>
add all files not in index	git add .	
commit all changes to index	git commit -a	interactive add
push local to remote & track	git push -u <remote-name> <branch-name>	git add -i 2 - update index with changes to existing files 4 - add untracked files according to selection
clone repo for first time	git clone git@github.com:<account-name>/<repo-name>.git	visualize index
switch branch	git checkout <branch-name>	git gui
checkout and track a remote	git branch -f <local-name> <remote-name>/<branch-name>	visualize log/history
pull from remote branch	pull git pull origin <branch-name>	gitk
push to remote branch	git push origin <branch-name>	pull historical version of branch into another (e.g. known good integration into master)
delete remote branch	git push origin :<branch-name>	git checkout <sha> //now in detached head state git checkout -b <branch-name> //branch based on <sha> git checkout master //for example git pull <temporary-branch-name> git push origin master git branch -d <temporary-branch-name>
delete local branch	git branch -d <branch-name>	add submodule
create branch	git checkout -b <new-branch-name> <branch-to-branch-off>	git submodule add git@github.com:<account-name>/<repo-name>.git <location>
rename branch	git branch -m <old-branch-name> <new-branch-name>	commit as amend to the previous commit
update latest from remote	git remote update	git commit -a --amend //then "i" for interactive ":w" to save, and ":q" to quit
unstage committed changes	git reset HEAD	force local to track remote
unstage previous n commits	git reset HEAD~n	git branch set-upstream origin/branch-to-track
view staged changes	git status	
lose changes to working copy	git reset --hard	differences between branches
stash changes	git stash	git diff --name-status master..branch
pop stashed changes	git stash pop	list commits to branch
clean everything (ignored, dirs, files)	git clean -xdf	git log
who changed file contents	git blame <filename>	check the result of a merge (before commit)
view remote branches	git branch -r	git pull <remote-name> //bring yourself up-to-date git merge <branch-name> --no-commit --no-ff
revert changes to file	git checkout -- <filename> git checkout HEAD <filename>	prune knowledge of deleted remotes
undo conflict resolution	git checkout -m <filename>	git remote prune <remote-name> //e.g. 'origin'
un-stage single file commit	git reset HEAD <filename>	git gc
		find in files
		git grep -n <string-to-find>
		tag a branch
		git tag -a <branch-name> -m "<message>"
		"chop the head off a branch"
		NOTE: this adds a commit with the tree at the state it was at the given sha. It doesn't actually chop the head off.
		//id the sha of the last good commit git reset <sha> //reset index to the desired tree git reset --soft HEAD@{1} //move branch pointer to previous HEAD git commit -m "<message>" //e.g. "revert to <sha>" git reset --hard //reset working copy to reflect new commit
		add color
		git config color.ui true
		add alias
		git config --global alias.myalias '<actual-command>'