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yet another git cheat sheet (using github)

git config --global user.name "<username>" set username git config --global user.email <email-address> set email 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 add single file qit add <filename> add all files not in index git add . commit all changes to index git commit -a push local to remote & track git push -u <remote-name> <branch-name> clone repo for first time git clone git@github.com:<account-name>/<repo-name>.git switch branch git checkout <branch-name> checkout and track a remote git branch -f <local-name> <remote-name>/<bra>/sbranch-name> pull from remote branch pull git pull origin
branch-name> push to remote branch git push origin
branch-name> delete remote branch git push origin :
branch-name> delete local branch git branch -d <branch-name> create branch git checkout -b <new-branch-name> <branch-to-branch-off> rename branch git branch -m <old-branch-name> <new-branch-name> update latest from remote git remote update unstage committed changes ait reset HEAD unstage previous n commits git reset HEAD~n view staged changes git status lose changes to working copy git reset --hard stash changes git stash pop stashed changes git stash pop clean everything (ignored, dirs, files) git clean -xdf who changed file contents git blame <file> view remote branches git branch -r revert changes to file git checkout -- <file> ait checkout HEAD <file> undo conflict resolution git checkout -m <file> un-stage single file commit git reset HEAD <file>

please submit errata to ben@bj.ma

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cherry pick from a local branch (e.g. if committed to a wrong branch)
                             //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>
interactive add
                             git add -i
                             2 - update index with changes to existing files
                             4 - add untracked files according to selection
visualize index
                             ait aui
visualize log/history
                             gitk
pull historical version of branch into another (e.g. known good integration into master)
                             git checkout <sha>
                                                                     //now in detached head state
                             git checkout -b <br/>branch-name>
                                                                     //branch based on <sha>
                                                                     //for example
                             git checkout master
                             git pull <temporary-branch-name>
                             git push origin master
                             git branch -d <temporary-branch-name>
add submodule
                             git submodule add git@github.com:<account-name>/<repo-name>.git <location>
commit as amend to the previous commit
                             git commit -a --amend
                             //then "i" for interactive ":w" to save, and ":q" to quit
force local to track remote git branch set-upstream origin/branch-to-track
differences between branches git diff --name-status master..branch
list commits to branch
                             git log
check the result of a merge (before commit)
                             git pull <remote-name> //bring yourself up-to-date
                             git merge <branch-name> --no-commit --no-ff
prune knowledge of deleted remotes
                             git remote prune <remote-name> //e.g. 'origin'
compress history archive
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>"
                             ait reset --hard
                                                           //reset working copy to reflect new commit
add color
                             git config color.ui true
                             git config --global alias.myalias '<actual-command>'
add alias
```