

Git Commands Cheat Sheet

	Git Setup		
git init [d	irectory]	create a Git repository from directory	an existing
git clone	[repo / URL]	clone / download a reposito local machine	ory onto

git clone [URL] [folder]

clone a repository from a remote location into a specified folder [folder] on your local machine

git branch	list all branches in the repository
git branch -a	list all remote branches
git branch [branch]	create a new branch under the specified name
git checkout [branch]	switch to another branch (either an existing one or by creating a new one under the specified name]
git branch -d [branch]	delete a local branch
git branch -m [new_branch_name]	rename the branch you are currently working in
git merge [branch]	merge the specified branch with the current branch

	Undoing Changes	
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git revert	[file/directory]	undo all changes in the specified file/directory by creating a new commit and applying it to the current branch
git reset	[file]	unstage the specified file without overwriting changes
git reset	[commit]	undo all changes that happened after the specified commit
git clean	-n	see which files should be removed from the current directory
git clean	-f	remove the unnecessary files in the directory

Git Configuring

git configglobal user. name "[your_name]"	set an author name that v attached to all commits b current user
git configglobal user. email " [email_address]"	set an email address that attached to all commits b current user
git configglobal color.ui auto	set Git's automatic comm coloring
git configglobal alias. [alias_name] [git_command]	create a shortcut (alias) fo command
git configsystem core.editor [text_editor]	set a default text editor fo users on the machine
git configglobaledit	open Git's global configur file

Rewriting History

git commitamend	replace the last commit combination of the stage changes and the last cor combined
git rebase [base]	rebase the current brand the specified base (it car branch name, tag, refere HEAD, or a commit ID)
git reflog	list changes made to the the local repository

Changes
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Managing Files

git status	show the state of the current directory (along with staged, unstaged, and untracked files)
git log	list the complete commit history of the current branch
git logall	list all commits from all branches
git log [branch1][branch2]	show which commits are on the first branch, but not on the second one
git diff	see the difference between the working directory and the index (which changes have not been commited yet)
get diffcached	see the difference between the last commit and the index
get diff HEAD	see the difference between the last commit and the working directory
git show [object]	show the content and metadata of an object (blob, tree, tag, or commit)

Remote Repositories

git remote add [name] [URL]	create a new connection to a remote repository and give it a name to serve as a shortcut to the URL
git fetch [remote_repo] [branch]	fetch a branch from a remote repository
git pull [remote_repo]	fetch the specified repository and merge it with the local copy
git push [remote_repo] [branch]	push a branch to a remote repository with all its commits and objects