SIT BASICS		REWRITING GIT HIS	STORY		
it init directory>	Create empty Git repo in specified directory. Run with no arguments to initialize the current directory as a git repository.	git commit	Replace the last commit with the staged changes and last commit combined. Use with nothing staged to edit the last commit's message.		
it clone <repo></repo>	Clone repo located at <repo> onto local machine. Original repo can be located on the local filesystem or on a remote machine via HTTP or SSH.</repo>	git rebase <base/>	Rebase the current branch onto «base». «base» can be a commit ID, branch name, a tag, or a relative reference to HEAD.		
it config ser.name <name></name>	Define author name to be used for all commits in current repo. Devs commonly use —global flag to set config options for current user.	git reflog	Show a log of changes to the local repository's HEAD. Add —relative-date flag to show date info or —all to show all refs.		
nit add	Stage all changes in «directory» for the next commit. Replace «directory» with a «file» to change a specific file.	GIT BRANCHES			
git commit -m '«message»"	Commit the staged snapshot, but instead of launching a text editor, use accessage as the commit message.	git branch	List all of the branches in your repo. Add a <branch> argument to create a new branch with the name <branch>.</branch></branch>		
git status	List which files are staged, unstaged, and untracked.	git checkout -b dranch>	Create and check out a new branch named <a "git="" glog"equivalent="" href="https://example.com/branch-bra</td></tr><tr><td>git log</td><td>Display the entire commit history using the default format. For customization see additional options.</td><td>git merge <branch></td><td>Merge
 where the current branch.</td></tr><tr><td>git diff</td><td>Show unstaged changes between your index and working directory.</td><td colspan=2>REMOTE REPOSITORIES</td></tr><tr><td></td><td></td><td>git remote add</td><td>Create a new connection to a remote repo. After adding a remote,</td></tr><tr><td>UNDOING CHANGE</td><td>S</td><td><name> <url></td><td>you can use <name> as a shortcut for <url> in other commands.</td></tr><tr><td>git revert</td><td>Create new commit that undoes all of the changes made in commits, then apply it to the current branch.</td><td>git fetch
<remote> <bre></td><td>Fetches a specific <branch>, from the repo. Leave off <branch> to fetch all remote refs.</td></tr><tr><td>git reset <file></td><td>Remove <file> from the staging area, but leave the working directory unchanged. This unstages a file without overwriting any changes.</td><td>git pull <remote></td><td>Fetch the specified remote's copy of current branch and immediately merge it into the local copy.</td></tr><tr><td>git clean -n</td><td>Shows which files would be removed from working directory. Use the -f flag in place of the -n flag to execute the clean.</td><td>git push <remote> <branch></td><td>Push the branch to <pre>cremote></pre>, along with necessary commits and objects. Creates named branch in the remote repo if it doesn't exist.</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>GIT CONFIG</td><td></td><td>GIT DIFF</td><td></td></tr><tr><td>git config —global
user.name <name></td><td>Define the author name to be used for all commits by the current user.</td><td>git diff HEAD git diff —cached</td><td>Show difference between working directory and last commit. Show difference between staged changes and last commit</td></tr><tr><td>git config —global user.email <email></td><td>Define the author email to be used for all commits by the current user.</td><td colspan=2>GIT RESET</td></tr><tr><td>git config —global
alias. <alias-name>
<git-command></td><td>Create shortcut for a Git command. E.g. alies.glog " log="" set="" td="" to="" will="" —graph—oneline"="" —graph—oneline.<=""><td>git reset</td><td>Reset staging area to match most recent commit, but leave the working directory unchanged.</td>	git reset	Reset staging area to match most recent commit, but leave the working directory unchanged.
git config —system core.editor <editor></editor>	Set text editor used by commands for all users on the machine. <editor> arg should be the command that launches the desired editor (e.g., vi).</editor>	git reset —hard	Reset staging area and working directory to match most recent commit and overwrites all changes in the working directory.		
git config —global —edit	Open the global configuration file in a text editor for manual editing.	git reset <commit></commit>	Move the current branch tip backward to <commit>, reset the staging area to match, but leave the working directory alone.</commit>		
GIT LOG		git reset —hard <commit></commit>	Same as previous, but resets both the staging area & working directory to match. Deletes uncommitted changes, and all commits after <commit>.</commit>		
git log - <limit></limit>	Limit number of commits by Limit >. E.g. "git log -5" will limit to 5 commits.	GIT REBASE			
git logoneline	Condense each commit to a single line.	git rebase -i	Interactively rebase current branch onto •bese>. Launches editor to enter		
git log -p	Display the full diff of each commit.	<base/>	commands for how each commit will be transferred to the new base.		
git log —stat	Include which files were altered and the relative number of lines that were added or deleted from each of them.	GIT PULL			
git log —author= " <pattern>"</pattern>	Search for commits by a particular author.	git pullrebase <remote></remote>	Fetch the remote's copy of current branch and rebases it into the local copy. Uses git rebase instead of merge to integrate the branches.		
git log —grep=" <pattern>"</pattern>	Search for commits with a commit message that matches spattern».	GIT PUSH			
git log <pre>«since»<until»< pre=""></until»<></pre>	Show commits that occur between <since> and <until>. Args can be a commit ID, branch name, NEAD, or any other kind of revision reference.</until></since>	git push <remote> —force</remote>	Forces the git push even if it results in a non-fast-forward merge. Do not use the —force flag unless you're absolutely sure you know what you're doing		
git log — <file></file>	Only display commits that have the specified file.	git push <remote> —all</remote>	Push all of your local branches to the specified remote.		
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