

## git\_commands\_cheat\_sheet Cheat Sheet by \_\_i-Sage\_\_ (\_\_i-Sage\_\_) via cheatography.com/189705/cs/39545/

git commands for version tagging	
git tag	List all available tags in Git
git tag -l [tag_n umber]	search for tags with the particular tag_number
git tag -a [tag_n umber] -m [message]	creates an annotated tag with an optional tagging message
git show [tag_n umber]	shows the tagger information
git tag [tag_n umb er]-lw	creates a lightweight tag
<pre>git tag -a [tag_n umber] [part_ of_ che ck_ sum]</pre>	tags the commit after you've moved passed them
git push origin [tag_n umber]	push version_number to shared server after you have created them.
git push origintags	push tags to shared server
git checkout -b [branc h_name] [tag_name]	put a version of the repository in your working directory that looks like a specific tag

By default, the git push command doesn't transfer tags to remote servers. You will have to explicitly push tags to a shared server after you have created them. This process is just like sharing remote branches, you can run git push origin "tag\_name"

git commands to clone and create repositories	
git init	Initializes a new git repository in the current directory
git clone url	Clone an existing Git repository located at in the current directory
git clone url direct ory _na me	Clone an existing Git repository located at in directory name

git commands to check status	
git status	used to determine which files are in which state
git status -s	the short and compact representation of git status

git commands for removing and renaming files	
git rm " fil e_n ame "	Removes the file from your tracked files and the working directory
git rmcached " fil e_n am e "	Removes the files from your tracked files but keeps the file in the working directory
<pre>git mv " fil e_f rom " " fil e t o"</pre>	Renames the file form "file_from" to "file_to"

git commands for undoing things	
<pre>git reset [file_ name]</pre>	used to unstage the "fil- e_name
git checkout [file_ name ]	reverts a file to the previous version

git commands for staging files	
git add file_name	Stage file_name for commit
git add -A	Stage all modified or new files for commit
git reset file_name	Unstage file_name

git commands for working with remotes	;
git remote add " nam e" " u rl "	Create a new remote named "name" for the repository at "url"
git fetch " rem ote "	Download all changes from "remote", but don't integrate into current branch
<pre>git merge " rem ote " /"br - anc h"</pre>	Merge "remote]/[branch" into current branch
git push " rem ote " " bra - nch "	Push local changes in "bra- nch" to "remote"/"branch"
git pull " rem ote " " bra - nch "	Fetch and merge all changes from "remote"/"br-anch" into current branch



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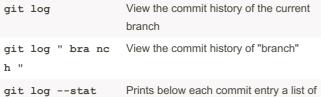


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git commands for commiting changes	
git commit -m " mes sag e"	Commit staged changes with "message" describing changes
git commitamend	Edit the previous commit message or contents
git commit -a -m " mes sag e"	Stages all already tracked files and commits them

git commands for branching and merging	
git remote add " nam e" " u rl "	Create a new remote named "name" for the repository at "url"
git branch " nam e"	Create a new branch named "name"
git checkout " nam e"	Switch to branch named "-name"
git merge " bra nch "	Merge "branch" into current branch
git mergeno-ff " bra nch	Merge "branch" into current branch, keeping branch history

git commands for inspections and differences (cont)	
git logpret ty= online	This option changes the log output to formats other than the default
git loggraph	Display an ASCII graph of the branch and merge history beside the log output
git diff	View unstaged changes between the current state of the code and the last commit
git diffcached	View staged changes between last commit and the current state of the code
git diff " bra nch 1" " bra nch 2"	View differences between "branch1" and "branch2"



git commands for inspections and differences

Prints below each commit entry a list of modified files, how many files where changed, and how many lines in those files where added or removed



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