



GIT & GITHUB CHEAT-SHEET



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Setup and Config	
To check Git version	git --version
To add username globally	git config --global user.name "[name]"
To add user email globally	git config --global user.email "[email address]"
To set repository-specific username	git config user.name "[name]"
To set repository-specific email	git config user.email "[email]"
To check status of git	git status
Create Repositories	
To initialize Git repository	git init
To clone Git repository	git clone [url]
Make Changes	
To add all the file to staging area	git add .
To add specific file/folder to staging area	git add [file/folder name]
To commit changes in git	git commit -m "[Your Message for this commit]"
To get the list of version history	git log
Version history in one line	git log --oneline
To check differences between two files	git diff [file1] [file2]
To check differences between two branches	git diff [branch1] [branch2]
To check changes of a commit	git show [commit id]
Branches	
To get list of branches	git branch [option] option: --all

To check current branch	git branch
To create a new branch	git branch [branch name] git checkout -b [branch name]
To change the branch	git switch [branch name] git checkout [branch name]
To delete specific branch	git branch -d [branch name]
Merge, Rebase and Cherry-Pick	
To merge two branches	git merge -m "[merge message]" [branch]
To rebase two branches	git rebase [branch]
To get specific commit from a branch to current branch and head point to it	git cherry-pick [commit]
Reset and Revert	
To go back to the previous commit by destroying other in-between commits	git reset [commit]
To go back to the previous commit by putting the previous commit to the latest commit	git revert [commit]
Stash	
To save the changes without committing them	git stash
To show the changes recorded in the stash	git stash show
To bring the changes back and remove from stash list	git stash pop
To bring the changes back and not removing from stash list	git stash apply
To remove the stash entries	git stash [option] option: drop - to remove a single entry clear - to remove all the entries
Git and GitHub	
To clone GitHub repository	git clone [url]

To add GitHub remote repository	<pre>git remote add [expression] [option] [url]</pre> <p>expression:</p> <ul style="list-style-type: none"> origin upstream staging <p>options:</p> <ul style="list-style-type: none"> add - to add repository remove - to remove repository
To fetch branches and/or tags from other repositories	<pre>git fetch [option]</pre> <p>option:</p> <ul style="list-style-type: none"> --all - to fetch all the branch --prune - to remove any remote-tracking references that no longer exist on the remote
To push the changes to the remote repository	<pre>git push [option] [branch]</pre> <p>options:</p> <ul style="list-style-type: none"> origin - specific tag branch --all - push all branches
To get (pull) changes from a remote repository into the current branch	<pre>git pull [options] [branch]</pre> <p>options:</p> <ul style="list-style-type: none"> -r - rebase the current branch on top of the upstream branch --no-rebase - will not perform rebase
Git ignore	
To untrack the files in git	<pre>touch .gitignore</pre> <p>add line by line file/folder path in the .gitignore file to untrack from git.</p>