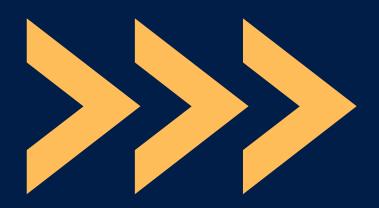
Git Cheat Sheet - Git Commands You Should Know

Git is a distributed version control system that helps developers collaborate on projects of any scale.



How to check your Git configuration:

git config -l

How to setup your Git username:

git config --global user.name "zahid"

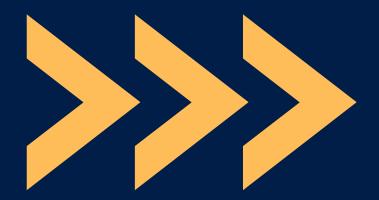


How to setup your Git user email:

git config --global user.email "zahidgul107@gmail.com"

How to initialize a Git repo:

git init



How to add a file to the staging area in Git:

git add filename_here

How to add all files in the staging area in Git

git add.

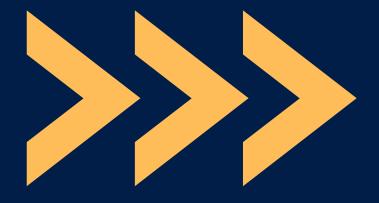


How to add only certain files to the staging area in Git

git add fil*

How to check a repository's status in Git:

git status

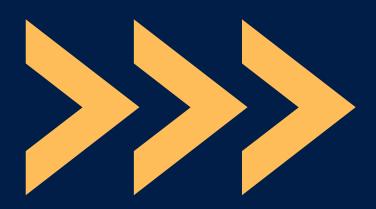


How to commit changes with a message in Git:

git commit -m "your commit message here"

How to commit changes (and skip the staging area) in Git:

git commit -a -m"your commit message here"



How to see your commit history in Git:

git log

How to see your commit history including changes in Git:

git log-p



How to see a specific commit in Git:

git show commit-id

How to see log stats in Git:

git log --stat

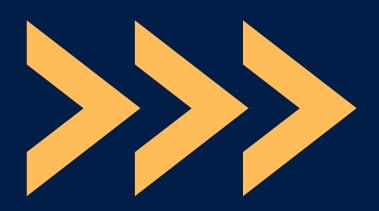


How to see changes made before committing them using "diff" in Git:

git diff (shows only unstaged changes)

> git diff all_checks.py (specific file)

git diff --staged(shows only unstaged changes)



How to remove tracked files from the current working tree in Git:

git rm filename config -l

How to rename files in Git:

git mv oldfile newfile

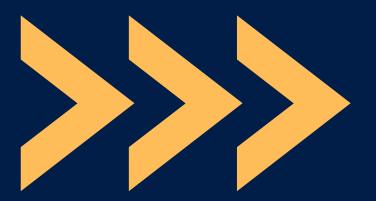


How to ignore files in Git:

Create a .gitignore file and commit it.

How to revert unstaged changes in Git:

git checkout filename

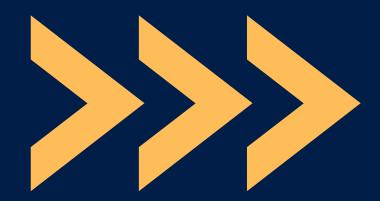


How to revert staged changes in Git:

git reset HEAD filename

How to amend the most recent commit in Git:

git commit --amend



How to rollback the last commit in Git:

git revert HEAD

How to rollback an old commit in Git:

git revert comit_id_here

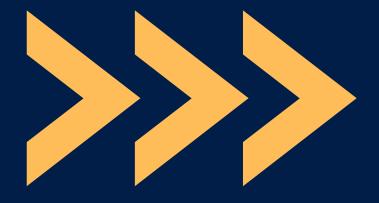


How to create a new branch in Git:

git branch branch_name

How to switch to a newly created branch in Git:

git checkout branch_name

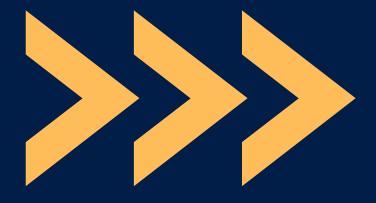


How to list branches in Git:

git branch

How to create a branch in Git and switch to it immediately:

git checkout -b branch_name

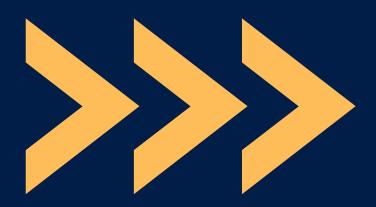


How to delete a branch in Git:

git branch -d branch_name

How to merge two branches in Git:

git merge branch_name l

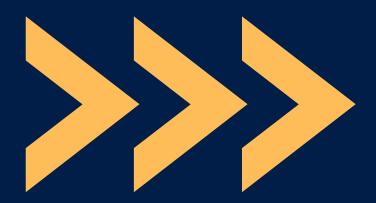


How to show the commit log as a graph in Git:

git log --graph --oneline

How to show the commit log as a graph of all branches in Git:

git log --graph --oneline --all



How to abort a conflicting merge in Git:

git merge --abort

How to add a remote repository in Git

git add remote https://repo_here

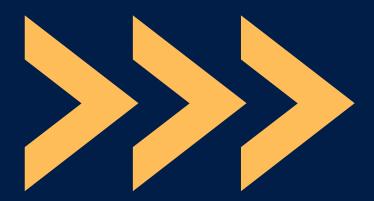


How to see remote URLs in Git:

git remote -v

How to get more info about a remote repo in Git:

git remote show origin



How to push changes to a remote repo in Git:

git push

How to pull changes from a remote repo in Git:

git pull

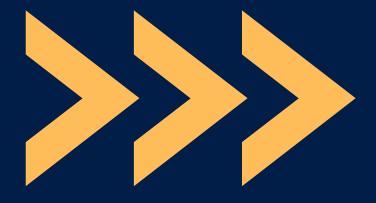


How to check remote branches that Git is tracking:

git branch -r

How to fetch remote repo changes in Git (download remote changes without merging):

git fetch

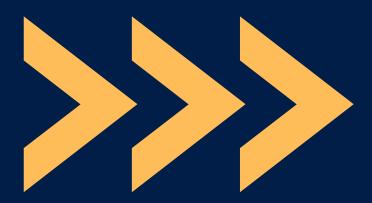


How to check the current commits log of a remote repoint in Git

git log origin/main

How to merge a remote repowith your local repoin Git:

git merge origin/main

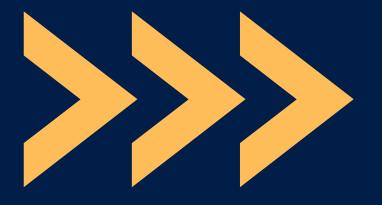


How to get the contents of remote branches in Git without automatically merging:

git remote update

How to push a new branch to a remote repo in Git:

git remote update

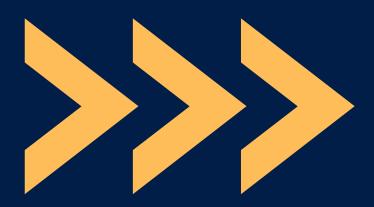


How to remove a remote branch in Git:

git push --delete origin branch_name_here

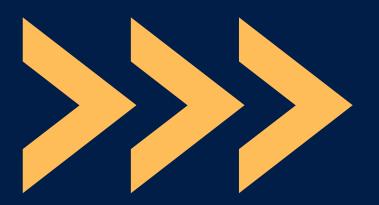
How to use Git rebase:

git rebase branch_name_here



How to force a push request in Git:

git push -f



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