

GIT CHEAT SHEET



Command	What is the purpose of each?
<code>git config --global user.name "<name>"</code>	Set a global username for Git in your local system
<code>git config --global user.email "<emailID>"</code>	Set a global email for Git in your local system
<code>git init</code>	Initialize a new git repo
<code>git clone <repository_url></code>	Create a working copy of a remote git repo
<code>git add <file_name></code>	Move the changes to the staging area
<code>git commit -m "<message>"</code>	Commit the changes to the repo
<code>git push <remote> <branch_name></code>	Push local changes to the remote repo
<code>git branch <branch_name></code>	Create a new branch in the repo
<code>git checkout <branch_name></code>	Switch to a different branch
<code>git checkout -b <branch_name></code>	Create and switch to a new branch
<code>git branch</code>	List all branches of the repo
<code>git branch -d/-D <branch_name></code>	<p>Delete a branch from the repo</p> <p>-d: delete a branch that has been fully merged into the current branch.</p> <p>-D: forcefully delete a branch, even if it contains unmerged changes.</p>
<code>git log</code>	View the commit history
<code>git merge <branch_name></code>	Merge changes from one branch to another
<code>git pull <remote> <branch_name></code>	Fetch and merge changes from the remote repo
<code>git fetch</code>	Fetch changes from the remote repo
<code>git status</code>	Check the state of the repo and the files within
<code>git diff</code>	Show differences between the current work and the last saved snapshot in the repo

git reset	Undo changes in the repo
git revert <commitID>	Undo a specific commit by creating a new commit
git remote add <name> <repository_url>	Connect the local repo to the remote repo
git remote -v	Displays the list of remote repos associated with local repo, along with their corresponding URLs
git stash	Temporarily save changes without committing
git stash pop	Apply & remove the most recent stash changes
git stash apply	Apply the most recent stash changes
git cherry-pick <commitID>	Apply specific commits from one branch onto another
git clean	Remove untracked files and directories from the local working directory

LINUX CHEAT SHEET



Command	What is the purpose of each?
uname	Display information about the system's name and details
free	Display memory usage and details
df	Display disk space usage
du	Display space usage by files and directories
top	Provides real-time information about system processes and resource usage
ps	Provides information about currently running processes
kill	To stop/terminate a currently running process
ifconfig	Display network interface information
nslookup	Perform DNS queries
ping	For testing network connectivity to a remote host/server
ssh	Secure shell to establish a connection to a remote server
pwd	Print the present working directory
ls	List files and directories
cd	To change the present working directory
mkdir	To make a new directory
rmdir	To remove an empty directory
rm	Remove files and directories
cp	Copy files and directories
mv	Rename or move files and directories
touch	Create an empty file
vim/nano	Text editors for files

cat	To display the contents of a file
head	To display the beginning of a file
tail	To display the end of a file
find	Search for files and directories
grep	Search for a specific pattern in a file
chmod	To change file permissions
chgrp	To change the group owner
chown	To change file ownership
usermod	To modify user account properties
apt	Package Manager for updates & installations
scp	Securely copy files between hosts/servers
history	To view the history of the commands executed on the server/instance
awk	Data extracting and processing from files
wc	Count characters, words, and lines in a file
wget/curl	Download files from the web
shutdown	To shut down the system
reboot	To reboot the system