**Git basic Commands:**

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| --- | --- |
| **Commands** | **Usage of the commands** |
| ***git config --global user.name “Name”*** | This command helps us to set the name |
| ***git config --global user.email “Email”*** | This command helps us to set the Email |
| ***git remote add origin <URL>*** | This command helps to add the remote repo i.e., Push and Pull |
| ***git remote add <name> <URL>*** | This command helps us to add the URL for Push and Pull. |
| ***git remote set-url <Origin or upstream> <URL>*** | This helps us to change the URL. |
| ***git remote -v*** | This command displays the origin and upstream |

**Five Basic and Fundamental commands in Git:**

|  |  |
| --- | --- |
| **Commands** | **Usage of commands** |
| ***git clone “URL”*** | This command helps us to clone the repository |
| ***git add [name]***  ***git add .*** | This command will help to add the changes in particular file.  This command helps to add all the changes |
| ***git commit -m “message”*** | This command helps us to commit the changes. |
| ***git push*** | This command helps in pushing local repo into the remote repo |
| ***git pull*** | This command helps to update the local repo if any changes done in remote repo |

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| --- | --- |
| **Commands** | **Usage of commands** |
| ***git branch*** | This command displays the all the branches in the repo. |
| ***git branch [Branch-name]***  ***git checkout -b [Branch-name]*** | This command helps us to create a new branch. |
| ***git checkout [Branch-name]*** | This command helps us to switch between the branches. |
| ***git branch -d <branch-name>*** | This command helps to delete the branch.  You can give multiple branch name to delete all those branches. |
| ***git push --delete origin <branch-name>*** | This command helps to delete remote branch. |
| ***git merge <branch-name>*** | This command helps to merge the current branch and the branch given in the command. |

**Branch Commands:**

**Other Commands:**

|  |  |
| --- | --- |
| **Commands** | **Usage of commands** |
| ***git log*** | This Commands helps us to see the commit history. |
| ***git status*** | This command checks the untacked file and changes that are not staged. |
| ***git fetch –all*** | This command gets the latest INFO of the remote Repo. |
| ***git pull origin <master>*** | This command helps to update the changes in the local repo from remote repo. |
| ***git stash***  ***git stash pop*** | This command pushes your uncommitted changes onto a stack to save for later.  This command helps to display the stacked changes that is disappeared from stash command. |
| ***git diff <file-name>*** | Changes made in the file will be removed discarding uncommitted local changes, cannot be undone.  **The deleted file can be restored by this command.** |
| ***git revert <Hash of the commit>*** | This helps to revert the changes it takes copy from the commit and gives it. |
| ***git reset –hard <Hash of the commit>*** | This command goes back to the commit Hash address have given. |
| ***git commit --amend -m "Message"*** | This command is used to **change the message** of previous commit. |

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Notes: -

Do not run the ***git init*** a repo inside the repo.

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Working Area -> Staging Area -> Repository

(git add) (git commit)

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<https://git-scm.com/book/en/v2/Appendix-C%3A-Git-Commands-Setup-and-Config>

This website helps to configure the editor for commit message if the message is very long.

<https://git-scm.com/> -> website for git command documentation

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