**GIT**

**$git init** 🡪 to init the git local repo

**$ git clone <URL>** 🡪 to clone the repo into local repo from github

**$ git remote add origin <url>** 🡪 if you want to add a remote repo to push to github

**$git remote remove origin** 🡪 if the origin file already exit and showing error use git remove and use above step

**$git push origin --delete <branch\_name> 🡪** to remove or delete a remote branch

**$git push -u origin master** 🡪 origin = remote repo, master = local branch

**$git branch** 🡪 List all branches in a repository

**$git branch new\_branch** 🡪 Create a new branch

**$git checkout existing\_branch** 🡪 Switch to an existing branch

**$git branch -d branch\_to\_delete** 🡪 Delete a branch

**$git branch -D branch\_to\_delete** 🡪 Force delete a branch

**$git branch –r** 🡪 List all remote branches

**$git branch –a** 🡪 to check all the branches in remote repo and local repo

**$git checkout -b local\_branch origin/remote\_branch** 🡪 Checkout a remote branch

**$git push origin local\_branch:remote\_branch** 🡪 Push changes from a local branch to a remote branch

**$git push origin :remote\_branch** 🡪 Delete a remote branch

**$git fetch** 🡪 to check any changes b/w local and remote repo

**$git pull** 🡪 to pull the changes from the github repo

**$git rebase other\_branch 🡪** Rebase a branch onto the latest version of another branch

**$git rebase -i HEAD~5 🡪** Interactively rebase a branch to clean up the commit history

**$git rebase -p other\_branch 🡪** Rebase a branch and preserve merges

**$git rebase –abort 🡪** Abort a rebase operation

**$git rebase –continue 🡪** Continue a rebase operation after resolving conflicts

**$git merge feature\_branch** 🡪 Merge a branch into the current branch

**$git merge --ff-only feature\_branch** 🡪 Fast-forward merge

**$git merge feature\_branch** 🡪 Non-fast-forward merge

**$git merge –abort** 🡪 Abort a merge operation

**$ git fsck 🡪** check the integrity of your Git repository and detect any issues with the objects and references

**$ git bisect 🡪** to search for the commit that introduced a bug in your code

**Multi branch pull and push from remote to local repo:**

**$git clone –mirror <Old\_Repo\_URL> -** It will clone all the branches from repo to local repo

**$git push –mirror <New\_Repo\_URL> -** To push all branch from local to the github repo

**ANSIBLE:**

Infrastructure as a code (IAAC)

Ansible uses **push** mechanisms 🡪 agent less

Ansible automates the management of remote systems and controls their desired state.

A basic Ansible environment has three main components:

**Control node**

A system on which Ansible is installed. You run Ansible commands such as ansible or ansible-inventory on a control node.

**Managed node**

A remote system, or host, that Ansible controls.

**Inventory**

A list of managed nodes that are logically organized. You create an inventory on the control node to describe host deployments to Ansible.