**GIT**

**Traversal**

* Forward traversal:

***cd "path"***

* **Double inverted commas** are must, unlike CMD.

**Clear Screen**

***clear***

**Initializing New Repo**

***git init***

* Written after **traversing** to the directory.

**Cloning**

***git clone "https://github.com/Gourav-334/Git-Bash-Test-Repo-"***

* Clones the **online** Git repository

**Pushing To Remote Branch**

***git push origin <branch\_name>***

* To push to **main** branch, write ***main*** in place of ***<branch\_name>***.

**Adding Files to Staging Area**

* **Staging area:** Files here are added to be **committed** in **next commit**.
* Adding a **particular** file to ***staging area***.

***git add "filename.cpp"***

* Adding all files in repository at once:

***git add***

**Committing Repo**

***git commit -m "Hey! Just committed!"***

**Status**

***git status***

* Shows tracked/untracked files etc.

**Pushing**

***git push "https://github.com/Gourav-334/Git-Bash-Test-Repo-" master***

* **Master** is the current local repository.

**Pulling**

***git pull "https://github.com/Gourav-334/Git-Bash-Test-Repo-" master***

**Create New Branch**

***git branch branch\_name***

**Switching Branch**

***git checkout branch\_name***

**Delete Branch**

***git branch -d branch\_name***

**Merge Branches**

***git merge branch\_to\_merge***

**Commit History**

***git log***

**Unstage Changes**

* For particular file(s):

***git reset "filename"***

***git reset "filename1 filename2"***

* All files:

***git reset***

**Uncommit Changes**

***git revert commit\_id***

**Stash Changes**

* **Stash:** Store uncommitted changes in buffer temporarily.

***git stash***

**Add New Remote Repo**

***git remote add "repo\_name" " https://github.com/Gourav-334/example"***

* The **link** is the **URL** for that particular repository.

Cloning With SSH Key

git clone git@github.com:username/repository\_name.git