

## Git Commands with Use Cases (Final & Corrected)

### **git status**

-> Check the status of changes in your working directory.

### **git remote -v**

-> View the remote repository URLs.

### **git init**

-> Initialize a new Git repository in the current directory.

### **git clone "REPO\_url"**

-> Clone a remote repository to your local machine.

### **git config --global user.name "username"**

-> Set your global Git username.

### **git config --global user.mail "usermail"**

-> Set your global Git email address.

### **git config --global --list**

-> List all globally set Git configuration values.

### **git add .**

-> Stage all changes for the next commit.

### **git commit -m "comment"**

-> Commit staged changes with a message.

### **git push / git push -u origin**

-> Push local commits to the remote repository.

### **git pull**

-> Fetch and merge changes from the remote repository.

### **git fetch**

-> Fetch changes from the remote but dont merge them.

### **git checkout branch\_name**

-> Switch to an existing branch.

### **git checkout -b branch\_name**

-> Create and switch to a new branch.

**git push origin branch\_name**

-> Push a specific branch to the remote repository.

**git checkout**

-> Revert files to the last committed state.

**git branch**

-> List all local branches.

**git stash**

-> Temporarily save uncommitted changes for later use.

**git stash apply / git stash apply stash@{1}**

-> Apply stashed changes without removing them.

**git stash pop**

-> Apply stashed changes and remove them from stash.

**git stash list**

-> List all saved stashes.

**git stash drop / git stash drop stash@{0}**

-> Delete a specific stash entry.

**git stash clear**

-> Remove all stashed entries.

**git revert <commit\_Id>**

-> Create a new commit that reverses a specific commit.

**git revert head / head~1**

-> Revert the most recent commit or the one before it.

**git revert <commit\_Id-1> <commit\_Id\_2>**

-> Revert multiple specific commits.

**git revert --no-commit <commit\_ID>**

-> Revert a commit without creating a new commit immediately.

**git log**

-> Display the commit history.

**git log --graph**

-> Show the commit history as a graph.

**git log --oneline**

-> Show a simplified, one-line-per-commit log.

**git log -n 5**

-> Show the latest 5 commits.

**git diff <commit\_Id>**

-> View changes between working directory and a specific commit.

**git diff <commit\_Id1> <commit\_Id2>**

-> View differences between two specific commits.

**git reset --soft/hard/mixed <commit\_Id>**

-> Reset the current HEAD to a specific commit in soft, mixed, or hard mode.

**git tag <tag\_name>**

-> Create a new tag at the current commit.

**git tag <tag-name> <commit-hash>**

-> Tag a specific commit by its hash.

**git show <tag\_name>**

-> Display details about a tag.

**git tag -d <tag-name>**

-> Delete a local tag.

**git push origin <tag-name>**

-> Push a specific tag to the remote repository.

**git push --tags**

-> Push all local tags to the remote repository.

**git push --delete origin <tag-name>**

-> Delete a tag from the remote repository.

**git rebase <BRANCH\_NAME>**

-> Apply changes from one branch onto another branch (rebase).