**Git commands**

**# Initialize a Git Repository**

git init

**# Clone a Repository**

git clone <repository-url>

**# Check Status**

git status

**# Add Changes to the Staging Area**

git add <file(s)>

**# Commit Changes**

git commit -m "Commit message"

**# View Commit History**

git log

**# Create a New Branch**

git branch <branch-name>

**# Switch to a local/remote Branch**

git checkout <branch-name>

**# Create and Switch to a New Branch**

git checkout -b <new-branch-name>

**# Merge a Branch into the Current Branch**

git merge <branch-name>

**# Pull Changes from a Remote Repository**

git pull <remote> <branch>

e.g: git pull origin main

e.g: **git pull [options] [remote] [branch]**

**# Push Changes to a Remote Repository**

git push <remote-name> <branch-name>

**# View Remote Repositories**

git remote -v

**# Fetch Changes from a Remote Repository**

git fetch <remote-name>

**# Create a Tag for a Specific Commit**

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

**# Undo Changes in Working Directory (Unstage)**

git reset <file>

**# Discard Changes in Working Directory (Uncommitted)**

git checkout -- <file>

**# Discard Local Changes and Fetch Latest from Remote**

git reset --hard HEAD

git clean -f -d

git pull

**# Configure Git User and Email**

git config --global user.name "Your Name"

git config --global user.email "your@email.com"

**# See Git Configuration**

git config --list

**# Delete the most recent commit while keeping changes in the working directory**

git reset HEAD^

**# Delete the most recent commit and discard changes from the working directory**

git reset --hard HEAD^