

**You**

What is a git and maxmimux 50 command explain each command like "git push , git pull and git update the code " withe example in git

ChatGPT

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Git is a distributed version control system commonly used for source code management. It allows multiple developers to collaborate on a project, track changes, and manage different versions of the codebase. Here's an explanation of some Git commands with examples, keeping it concise (limited to 50 commands as per your request):

1. **git init**
   * Initializes a new Git repository.

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git init

1. **git clone**
   * Creates a copy of a remote repository locally.

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git clone <repository-url>

1. **git add**
   * Adds changes in the working directory to the staging area.

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git add <file>

1. **git commit**
   * Records changes from the staging area to the repository.

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git commit -m "Commit message"

1. **git status**
   * Displays the status of changes as untracked, modified, or staged.

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git status

1. **git log**
   * Shows the commit history.

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git log

1. **git branch**
   * Lists, creates, or deletes branches.

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git branch

1. **git checkout**
   * Switches between branches or restores working tree files.

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git checkout <branch-name>

1. **git merge**
   * Combines changes from different branches.

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git merge <branch-name>

1. **git remote**
   * Shows remote repositories.

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git remote -v

1. **git fetch**
   * Retrieves changes from a remote repository.

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git fetch

1. **git pull**
   * Fetches changes and merges them into the current branch.

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git pull origin <branch-name>

1. **git push**
   * Uploads local changes to a remote repository.

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git push origin <branch-name>

1. **git diff**
   * Shows changes between commits, branches, or the working directory.

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git diff

1. **git reset**
   * Unstages changes, preserving modifications in the working directory.

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git reset <file>

1. **git revert**
   * Creates a new commit that undoes changes from a previous commit.

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git revert <commit-hash>

1. **git remote add**
   * Adds a remote repository.

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git remote add <name> <repository-url>

1. **git tag**
   * Lists or creates annotated tags.

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git tag -a <tag-name> -m "Tag message"

1. **git fetch --all --prune**
   * Fetches changes from all remotes and removes deleted branches.

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git fetch --all --prune

1. **git stash**
   * Temporarily saves changes that are not ready to be committed.

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git stash

These are just a few of the many Git commands available. Each command has various options and use cases, so it's essential to refer to the Git documentation for a comprehensive understanding.



**You**

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ChatGPT

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Git is a distributed version control system that tracks changes in source code during software development. Here are 20 Git commands with brief explanations and examples:

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These commands provide a basic understanding of Git functionality. Remember that Git offers more commands and options for advanced version control and collaboration.