# Git Quick Reference Guide

## Create Directory (Local System)

| Purpose | Command |
|---|---|
| Create a New Directory inside Home Directory | `cd ~/directory name` |
| Create a New Git Repository | `git init` |
| Add a single file or add all files in a Directory | `git add <file_name>` or `git add --all` |
| Clone into a remote repository | `git clone <link>` |

## Commands to Check Status

| Purpose | Command |
|---|---|
| To show files that have changed | `git status` |
| Show difference in changed files | `git diff` |
| Show the log files. | `git log` |

## Commands Dealing With Branches

| Purpose | Command |
|---|---|
| Show the current branch that you are in | `git branch <branch name>` |
| Create a new branch and switch to that | `git checkout b <branchname>` |
| Switch to an existing branch | `git checkout <branchname>` |
| Delete and existing branch | `git checkout d <branchname>` |

## Commands To Revert Changes

| Purpose | Command |
|---|---|
| Revert a particular commit by its ID | `git revert <commit id>` |
| Revert all commits | `git revert hard` |
| Revert the last change | `git revert ^HEAD` |
| Fix the last commit | `git commit amend` |

## Commands To Publish Your Changes

| Purpose | Command |
|---|---|
| Commit your local changes with a commit message | `git commit m "Update"` |
| Commit your local changes (Edit Separate Message) | `git commit a` |
| Push changes to your repo | `git push u origin master/branch name` |
| For other developers | `git format patch origin` |
| For any help | `git --help` |

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