

Welcome! This is GIT Cheat Sheet!

Want hands on for GIT just go through these slides!



GIT COMMANDS

1. Initialize a GIT repository => git init (not creates the hidden .git folder which we can use for configuration purpose)

```
vinay@DESKTOP-Q1C8F9A MINGW64 ~/Documents/Vinay Interview Prep/Test
$ git status
fatal: not a git repository (or any of the parent directories): .git

vinay@DESKTOP-Q1C8F9A MINGW64 ~/Documents/Vinay Interview Prep/Test
$ git init
Initialized empty Git repository in C:/Users/vinay/Documents/Vinay Interview Prep/Test/.git/

vinay@DESKTOP-Q1C8F9A MINGW64 ~/Documents/Vinay Interview Prep/Test (master)
$ ls -a
./ ../ .git/
```

2. Clone repository present on github/bitbucket => git clone https://github.com/vinaykelkar/GIT_From_Scratch.git

```
vinay@DESKTOP-Q1C8F9A MINGW64 ~/Documents/Vinay Interview Prep/Test (master)
$ git clone https://github.com/vinaykelkar/GIT_From_Scratch.git
Cloning into 'GIT_From_Scratch'...
remote: Enumerating objects: 12, done.
remote: Counting objects: 100% (12/12), done.
remote: Compressing objects: 100% (8/8), done.
remote: Total 12 (delta 2), reused 8 (delta 2), pack-reused 0
Receiving objects: 100% (12/12), 467.26 KiB | 1.28 MiB/s, done.
Resolving deltas: 100% (2/2), done.
```

GIT COMMANDS

1. Check which branch you are on => git branch

```
vinay@DESKTOP-Q1C8F9A MINGW64 ~/Documents/Vinay Interview Prep/Git from Scratch/GIT_From_Scratch (main)
$ git branch
  basics
* main
```

2. Check which remote repository you are going to push and the pull the data from along with their URLs => git remote -v

```
vinay@DESKTOP-Q1C8F9A MINGW64 ~/Documents/Vinay Interview Prep/Git from Scratch/
GIT_From_Scratch/.git (GIT_DIR!)
$ git remote -v
origin  https://github.com/vinaykelkar/GIT_From_Scratch.git (fetch)
origin  https://github.com/vinaykelkar/GIT_From_Scratch.git (push)
```

GIT COMMANDS

1. Pull Data from the main branch in your local repo => git pull origin

```
vinay@DESKTOP-Q1C8F9A MINGW64 ~/Documents/Vinay Interview Prep/Git from Scratch/GIT_From_Scratch (main)
$ git pull origin
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), 645 bytes | 37.00 KiB/s, done.
From https://github.com/vinaykelkar/GIT_From_Scratch
   d334f06..0a4b17e  main       -> origin/main
Updating d334f06..0a4b17e
Fast-forward
 Understanding Git/Check History of The project.rtf | 70173 ++++++++
 Understanding Git/Git stash.txt                    |    15 +
 .../Link Local Project to GITHUB Repo.txt          |    22 +
 Understanding Git/Setting Up GIT.rtf                |  21108 +++++
 Understanding Git/Tracking Changes Via Example.rtf |  81862 ++++++++
 5 files changed, 173180 insertions(+)
 create mode 100644 Understanding Git/Check History of The project.rtf
 create mode 100644 Understanding Git/Git stash.txt
 create mode 100644 Understanding Git/Link Local Project to GITHUB Repo.txt
 create mode 100644 Understanding Git/Setting Up GIT.rtf
 create mode 100644 Understanding Git/Tracking Changes Via Example.rtf
```

GIT COMMANDS

1. View untracked files => git status

```
vinay@DESKTOP-Q1C8F9A MINGW64 ~/Documents/Vinay Interview Prep/Git from Scratch/GIT_From_Scratch (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    GIT Commands/

nothing added to commit but untracked files present (use "git add" to track)
```

2. Add untracked files into staging area in order to push them to further to remote repo => git add . OR git add <file name>