# Git

Created By	Mohamed Abdelrahman
Last Edited	@Apr 19, 2020 5:50 PM
<u>≔</u> Tags	

#### What is Git?

#### Version Control System

- Software designed to record changes to files over time
- Ability to revert back to previous file version or project version
- Compare changes made to files from one version to another
- Version control any plain text file not just source code

## Three Stages of a File

**▼** Committed

mean that files is stored safely in repo of the project

▼ Modified

when make changes in last commit, just introduced new changes but has committed them yet

▼ Staged

when changes finished and ready to commit.

### Three States of git project

Git 1

## The Three States of a Git Project

Working	Staging Area	.git directory
Directory	(Index)	(Repository)
Changes to files since	Files in this state have	Files in this state are
the last checkout have	been modified and	committed and
not yet been added to	added to be staged in	recorded to the
the staging area for	the next commit	project as version
commit	snapshot	snapshots



### **Command Line**

https://s3-us-west-2.amazonaws.com/secure.notion-static.com/1c2e8d3a-1d3b-47e8-95ab-95233b309032/github-git-cheat-sheet.pdf

Git 2