GIT

* Git is a distributed version control system: tracking changes in any set of files, usually used for coordinating work among programmers collaboratively developing source code during software development. Its goals include speed, data integrity, and support for distributed, non-linear workflows.
* Various ways to use git:

1. The Command Line
2. Code Editors and IDE
3. GUI for example GitKraken

* Configuration settings has 3 different levels:

1. System that applies to all users.
2. Global that applies to all repository
3. Local that applies to the current repository.

* At first we need to initialise an empty repository and here the subdirectory will be hidden.
* Git Workflow:
* You will have a project directory and to add it on git first you will add it to the staging area and from there you will finally commit to a git repository.
* Commit contains following information:
* Id , message, date/time, author, complete snapshots.
* Git compresses the content and doesn’t store duplicate content.
* The best practices to commit:
* The commit should neither be too big nor too small.
* Make meaningful commit messages.
* We can also skip the staging area and can directly commit.

**Following are the snaps of some of the git commands that I learnt from tutorial:**















