

### 3. Working Directory in git.

In computing it is a directory of hierarchical file systems. It is dynamically associated with each process. It is sometimes called 'current working directory'.

As stated in the git documentation, the working directory is a single checkout of one version of the project. This essentially means if you checkout a branch and are sat on a particular commit.

### staging Area

It is like a rough draft space, it's where you can git add the version of a file or multiple files that we want to save in your next commit.

It is a file that we are going to be a part of the next commit, which lets git know what changes in the file are going to occur for the next commit.

### 2. what is Github

1) It is a code hosting platform for version control and collaboration.

2) It lets you and others work together on

Projects from anywhere

Git hub essentials like repositories, branches, commits and pull request.

~~Git hub essentials~~ ||

step 1: Create Repository

step 2: Create a Branch

step 3: Make and commit changes

step 4: open a pull Request

1) Github is a provider of internet hosting of software development and version control using git. It offers the distributed version control and source code must functionality of git plus its own. It has the ability of.

1. Keeping a back of the changes i.e. different versions if the same file
2. It also keep a record of all files present in a project.
3. Comparing and analysing different codes with a detailed explanation.

The basic step to start working in a git environment is to have local repository and a remote repository.



## Local Repository

A Local repository is a path or directory created by you on a local computer that is working directory. you write your code in this repository which is private to you until you publish push it to the remote repository.

## Remote Repository

Remote repository is a public directory or is a public platform to host your website such as Github, Bitbucket. Using it one could easily push a piece of code or an entire project to a remote repository.