

# ASSIGNMENT

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# 1. What is GitHub ?

GitHub is a code hosting platform for collaboration and version control. GitHub lets you (and others) work together on projects. GitHub essentials are :

- Repositories
- Branches
- Commits
- Pull Requests
- Git

Repository : A GitHub repository can be used to store a development project. It can contain folders and any type of files. Repository should also include a licence file and a README file about the project. A GitHub repository can also be used to store ideas, or any resources that you want to share.

Branch : A GitHub branch is used to work with different versions of a repository at the same time.



Commits : At GitHub, changes are called commits. Each commit (change) has a description explaining why a change was made.

Pull Requests : Pull requests are the heart of GitHub collaboration.

2. Git as a version control system?

⇒ A version control system in a software that tracks changes to a file or set of files over time so that you can recall specific versions later. It also allows you to work together with other programmers. The version control system is a collection of software tools that help a team to manage changes in a source code. It uses a special kind of database to keep track of every modification to the code.



3. What is working directory and staging area?

⇒ The working area is where files that are not handled by git. These files are also referred to as "untracked files". Staging area is files that are going to be a part of the next commit, which lets git know what changes in the files are going to occur for the next commit.