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 license 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 commit. Each commit (change) has a description explaining why a change was made.

Pull request:

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 in 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 in where files that are not handled by git. These files are also referred to an '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.