

ASSIGNMENT

Submitted By:

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MCA Regular S4

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1. What is GitHub?

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

GitHub essentials are :-

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

- 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: They are heart of GitHub collaborations.

2. Git as a version Control System?

A version control system is a software that tracks changes to a file or a set of files overtime 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 ~~was~~ uses a special kind of databases to keep track of every modifications to the code.

3. What is working directory and staging area?

Ans:

The working area :

The working area is where files that are not handled by git. These files are also referred to as 'untracked files'.

Staging areas :-

The staging area is where 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.