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!

    3 Repositories
    3 Branches
    3 Commits.
    3 Pull requests
    3 Git

Repository:

→ A github repository can be used to store a development project. It can contain folder & folders and any type of files. Repository should also include a licence file and a RENAME file about the project. A github reposi- tory can also be used to store ideas, or any resources that you want to share.

Branch:

→ A github branch is used to works with different version of a repository at same time.

Commits

→ At github changes are called commits. Each commit (change) has a description explaning why a change was made.

Pull Request

→ pull Request 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 version 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 reffered 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.