**Part 3**

Q: What is GitHub?

GitHub is a private company which provides web-based repository and hosting service.

Q: When was it created?

Its development began on October 19,2007. Then it is launched in April 2008.

Q. Why?

To allow users to browse public repositories on the site.

Q: By who?

By Tom Preston-Werner, Chris Wanstrath and PJ Hyett.

Q: What similar platforms exist?

There several platforms like GitLab, BitBucket, Beanstalk, SourceForge, Apache Allura etc.

Q: Why would you use such a platform?

* It is used as project repository.
* For code review and comments
* To maintain commit history

**Part 4**

* Repository

It is a collection of your Projects, code, issues. It can be public, so anyone can access your code.

* Commit

It holds the current state of repository. Every commit has link to the parent commit object. You can look at the history of commit from a given commit.

* Push

It copies local repository changes to remote repository. It is used to store the changes permanently to the repository.

* Branch

Branches are used to create a different level of development. When a new feature came a branch is created. After it is completed, merged to the main branch.

* Fork

It is a copy of repository. It allows to make changes in project without affecting the original project.

* Merge

Merge operation combines all forked history. The git merge command integrates all branches into a single branch.

* Clone

Clone operation mirrors the whole repository. It creates the object of repository and checks its working copy.

* Pull

It keeps synchronization between remote and local repositories. It copies changes from the remote repository to local repository.

* Pull request

Pull request tell others about changes you have made to a repository on GitHub.

**Part 7**

Commands and strategy to update README.md file

1 I browse the README.md file

2 Click the pencil icon to edit it.

3 Then I made changes to the file and propose the changes

4 After proposing changes pull the request

5 Then pull request is accepted by Prof. Scharff

6 And finally that branch gets merged to the original file.