What is GitHub? When was it created? Why? By who? What similar platforms exist? Why would you use such a platform? (Answer between 5 and 10 lines)

Git is an open-source version control system. GitHub, is a web-based Git, on which you can publish your Git repositories online and collaborate with other people.It was created by Linus Trovald in the year 2005 for the development of Kernel operating system. Linus Trovald needed a source control management system which could match up with his speed and volume requirements. The other management systems available in 2005 could not meet up with the standards that Linus Trovald required. Thus he ended up creating a software for himself and for his Linus Kernel project.

Similar version control systems currently available are - [Subversion](https://www.howtogeek.com/66731/version-tracking-with-subversion-svn-for-beginners/), CVS, and Mercurial

Advantages of using Github or similar platforms:

* It makes collaboration easier. It allows multiple users to access one cofe and edit it, in this way it enables the work being evaluated by a large number of people. This feature is useful when we are working as a team on one project or when we want feedback on our work from a wider community.
* Since it is a repository, it allows the data to be stored and managed easily.
* It allows to keep a record of all the versions / changes made to the codes, thereby, creating a history of all our work and enabling us to control all versions.
* It also acts as a portfolio for programmers, it allows us to connect to the community and share ideas.

**Part 4:**

**Part 5:**

Define the following terms in the context of Git (2 lines maximum):

* Repository: Git is used to manage files or project. It stores all this information in a data structure called a repository.
* Commit : Commit is used for adding changes to local repository.
* Push : It is used to interact with a remote repository. Basically push sends your changes to the remote location.
* Branch: It is a version of your repository. Basically, you have your master branch and you don't want to mess anything up on that branch. However, you need to implement a new feature that works with the codebase on the master branch. A branch will allow to make a "copy" while not affecting the original branch.
* Fork : It creates a copy of someone's repository, then you can do your work in that copy and can commit changes.
* Merge: It is used to join or merge two branches.
* Clone : Clones a repository
* Pull : git pull does a git fetch followed by a git merge. It applies all the changes from a remote repository into the current branch.
* Pull request : It send a pull request to other repository about your changes and asking others to pull your changes into theirs repository.