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**ASSIGNMENT week 1a**

**What is GitHub?**

**A.**GitHub is a Git repository hosting service . GitHub is a web based hosting service for version control using git.

**When was it created?**

**A.**February 8th 2008

**Why?**

**A.** It is mostly used for computer. It offers all of the distributed versions control and source code management. Functionality of Git as well as adding its own features.

**By who?**

**A.** Tom Preston-Werner  
 Chris Wanstrath  
 PJ Hyett

**What similar platforms exist?**

**A.**Bitbucket , SourceForge, GitLab, Kiln.

**Why would you use such a platform?**

**A.**We use this platform to manage a project or a set of files . And we can save these in a repository.

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

* Repository- git stores a project, set of files in a data structure called as a repository. Repository consists of set of commit objects.
* Commit-Commit records the changes that are made to the repository .
* Push-Push updates remote refs along with associated objects.
* Branch-A branch in git is a lightweight movable pointer to one of the commits. The default name in Git is “Master”.
* Fork-Fork is a copy of a repository. It allows us to make changes to a repository without affecting the original project.
* Merge-Merge is used in git to put a forked history back together again. It also allows us to take independent lines of development created by git branch and integrate them into a single branch
* Clone-It is a command line utility which is used to target an existing repository and create a clone of the repository.
* Pull-git pull runs git fetch with the given parameters and calls git merge the retrieved branch heads into the current branch.
* Pull request – It is the preferred way of submitting contributions to a project.

**List the commands and strategy you use to do this part of the exercise:**

1.git init

2.git add -A.

3.git commit –m “second”.

4.git remote add origin https://github.com/kritkondru/CS6392018.git.

5.git push origin master.