**GITHUB**

**Part 1:**

Github Account : https://github.com/**AkshayMehta78**

**Part 3:**

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)

**Answer**: GitHub is a repository hosting service. GitHub host your source code projects in a variety of different programming languages and keep track of the various changes made to every iteration know as version controlling. It is mostly used for code. GitHub was founded by Tom Preston-Werner, Chris Wanstrath, and PJ Hyett in 2008. GitHub was created to set up an easy-to-use website where coders could host and even manage their software projects using Git. Bit bucket, Gitlab, Code plane, Source Forge etc. are some of the alternatives of GitHub.

**Part 4:**

**Tutorial commands**

> git add octocat.txt

$ git status

$ git commit -m "Add cute octocat story"

$ git add '\*.txt'

$ git commit -m "All all the octocat txt files"

$ git log

$ git remote add origin https://github.com/try-git/try\_git.git

$ git push -u origin master

$ git pull origin master

$ git diff HEAD

$ git add octofamily/octodog.txt

$ git diff --staged

$ git reset octofamily/octodog.txt

$ git checkout -- octocat.txt

$ git branch clean\_up

$ git checkout clean\_up

$ git rm '\*.txt'

$ git commit -m "Remove all the cats"

$ git checkout master

$ git merge clean\_up

$ git branch -d clean\_up

$ git push

**Part 5:**

Repository : A repository is simply a storage of your work to maintain various changes in codebase

Commit : A commit is a confirmation of changes to a file or multiple files and accordingly it creates a unique id for every commit to keep track of all changes.

Push : Push commands is used to send your committed changes to a remote repository

Branch : A branch is a subversion of repository but does not affect the main repository or branch.

Fork : Forks is used to make changes to a project without affecting the original repository.

Merge : Merge command is used to combine codebase / changes into one branch.

Clone : Clone is used to create a copy of main repository into your local machine.

Pull : Pull refers to when you are fetching in changes and merging them

Pull request : Pull requests are proposed changes to a repository submitted by a user and accepted or rejected by a repository's collaborators.

**Part 6:**

File Pushed at[**https://github.com/AkshayMehta78/CS6112017**](https://github.com/AkshayMehta78/CS6112017)

**Part 7 :** Done**.**

**Part 8:** Done**.**

**Part 9:** Done**.**