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**GITHUB EXERCISE**

**PART 1:**

Github Account : https://github.com/**mable8695**

**Part 3:**

1)What is GitHub?

ANSWER: Github is a open source and free control system. It is mainly designed to handle or control small to large amount of projects with a great efficiency and speed. Github is mostly used for coding purpose.

2) When was it created?

It was created in 2008.

3)Why?

It was designed to ensure that the data is never lost and the coding part becomes easy to code.

4) By who?

GitHub was founded by Tom Preston-Werner, Chris Wanstrath and PJ Hyett .

5)What similar platforms exist?

-Apache

-Team foundation server

-Qcad

-Bit bucket

-Code plane

-Nim

6)Why would you use such a platform?

As it is designed for easy, rapid branching and merging.

**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:**

1)Repository : A repository is a storage of work to maintain various changes in codebase.

2)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.

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

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

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

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

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

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

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