GITHUB

# What is GitHub?

GitHub is web based centralized repository and a internet hosting service.

It’s a version control system which helps a developer to maintain versions of source code.

# who created github? when and why?

GitHub was founded by Tom Preston-Werner . It was founded on Feb 08,2008 and was launched on April 10,2008.

# what are other platforms to use?

There are many other version control repositories some of which are below:

1. Concurrent Version System

2. Apache Subversion (SVN)

3.Mercurial

# try.github.io tutorial

Press enter to submit commands

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>

>

> git init

$ git status

$ git status

$ git add octocat.txt

$ git status

$ git commit -m "Add cute octocat story"

$ git add '\*.txt'

$ git commit -m 'Add 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

>

# Definition

* Repository-Git is used to manage projects which are stored in data structures space known as repository.
* Commit-Adding staged changes to local repository.
* Push-Pushing committed changes to remote branch.
* Branch-Branches are forks within your own repository.
* Fork-To copy or clone others repository in your repository, make changes in your local copy and commit back the changes.
* Merge-Merge command is used to Commit local code changes to the remote repository
* Clone-Clone command is used to copy remote project in local workspace/repository.
* Pull-Pull command is used to take the latest code of repository to local repository.

# steps for pull request

* Forked the repository from <https://github.com/paceuniversity/courses>
* Clone the repository to local repository.
* Update Readme.md file with name date and time.
* Pushed the changes to the forked repository.
* Created pull request.