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CS 361

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3. GitHub is a git-based web service that helps developers to store and manage their source code. It was launched in April 2008 by Tom Preston-Werner, Chris Wanstrath, and PJ Hyett. I use GitHub because it is an effective way to collaborate with others on projects and get a lot of open source material. There are many other alternatives for source code and version control, such as Bitbucket, Beanstalk, SourceForge, but none of them is as popular as GitHub.

4.

Press enter to submit commands

> 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

>

5.

Repository:

A directory where Git has been initialized to start version controlling your files.

Commit:

Change to a file (or set of files).

Push:

Pushes commits made on the local branch to a remote repository. The git push command takes two arguments: A remote name, for example, origin. A branch name, for example, master.

Branch:

A branch in Git is simply a lightweight movable pointer to one of these commits.

Fork:

Your own copy of someone's existing repository.

Merge:

When you click the default Merge pull request option on a pull request on GitHub, all commits from the feature branch are added to the base branch in a merge commit.

Clone:

Git command line utility which is used to target an existing repository and create a clone, or copy of the target repository

Pull:

Fetch from and integrate with another repository or a local branch

Pull Request:

Pull requests let you tell others about changes you've pushed to a GitHub repository.