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 these questions in a Word file called *LastnameFirstnameGitTutorial-mm-dd-yyyy.docx*. Please respect naming conventions!

R- Github is a git repository where you can update versions of codes (and other files if you want). github was created by Tom Preston-Werner, Chris Wanstrath and PJ Hyett in february 8th of 2008. it is the most used git repository other famous one is the bitbucket.

We are going to use github for version control of our code and for its other features such as issues report that let the other users know what issues you have with your program and the wiki, that is a good way to provide a good documentation of the code.

Part 4

Complete the Git tutorial: [https://try.github.io](https://try.github.io/). While doing the tutorial, save your work in the same file as earlier: *LastnameFirstnameGitTutorial-mm-dd-yyyy.docx* file.

R-

> 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 reser octofamily/octodog.txt

$ git reset octofamily/octodog.txt

$ git checkout --octocat.txt

$ git checkout -- octocat.txt

$ git branch clean

$ 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:

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

* Repository - is where git store all the versions and changes and informations
* Commit- record changes to the local repository
* Push - Release the commit made to the remote remote repository
* Branch - It is kind of a new repository, actually is just another pointer that point to the latter commit, you can create as many branches as necessary.
* Fork - It is a copy of the original repository
* Merge - it join to different repositories
* Clone - it create new repositories for each branch and also fork then to the original one
* Pull - it will update your repository with the changes compared with the remote one
* Pull request - it is made to let the others know that you have pushed your branch to the original one