Christos Zikopoulos HW 1

**Part 3:**

Answer the following questions.

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)

It is a version control repository and internet hosting service that is mostly used for code, but can be used for a various number of things. It was founded in 2008 by Tom Preston-Werner. It is used as a portal for access control by clients and has several collaboration features that can be used by partners for projects and such. A team working on one similar project can use GitHub to collaborate on code, build wikis for a database and basic task management tools for any project a team might want to accomplish.

**Part 5:**

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

* Repository
  + A git repository contains a set of commit objects and a set of references to commit objects, called heads.
* Commit
  + A commit is an object contains a set of files and changes, and a SHA1 name, which is a string of characters to personally identify the commit object
* Push
  + A git push updates remote references along with associated objects.
* Branch
  + A git branch is an independent line of development of a project.
* Fork
  + A git fork is a copy of a repository.
* Merge
  + A command that incorporates changes from another repository and merges it with the current repository.
* Clone
  + clone is a git command that copies an existing git repository.
* Pull
  + A git pull command runs git fetch and git merge commands into one git repository.
* Pull request
  + A git pull request lets you tell others about changes that you have pushed to GitHub.

**Part 4:**

Press enter to submit commands  
   
> git init  
   
  
Initialized empty Git repository in /.git/  
  
Success!  
  
$ git status  
   
  
# On branch master  
#  
# Initial commit  
#  
nothing to commit (create/copy files and use "git add" to track)  
  
Success!  
  
$ git status  
   
  
# On branch master  
#  
# Initial commit  
#  
# Untracked files:  
# (use "git add <file>..." to include in what will be committed)  
#  
# octocat.txt  
nothing added to commit but untracked files present (use "git add" to track)  
  
Success!  
  
$ git add octacat.txt  
   
  
fatal: pathspec 'octacat.txt' did not match any files  
  
Did not add octocat.txt  
  
$ git add octocat.txt  
   
  
  
  
Nice job, you've added octocat.txt to the Staging Area  
  
$ git status  
   
  
# On branch master  
#  
# Initial commit  
#  
# Changes to be committed:  
# (use "git rm --cached <file>..." to unstage)  
#  
# new file: octocat.txt  
#  
  
Success!  
  
$ git commit -m “Add cute octocat story”  
   
  
[master (root-commit) 3b2da01] “Add  
 1 file changed, 1 insertion(+)  
 create mode 100644 octocat.txt  
  
Success!  
  
$ git add ‘\*.txt’