NYC DATA SCIENCE ACADEMY

NYC Data Science Bootcamp

Basic Git

* Save all your commands to *yourname*.txt. After you finish all the exercises, clone the homework directory from Github by typing:

```
$ git clone https://github.com/casunlight/bootcamp006_homework.git
```

Move your solution to the "07-06BasicGit" folder under the repository you just cloned and then commit and push it.

Note: you may need to pull from origin before you push it to Github.

Question #1:

1. Create a directory named test and make test a git repository.

2. Create a file named a.txt with the content "Git is good" under test and add a.txt to the staging area.

3. Run the command git status and check the output.

4. Now commit your changes and check the output of git status.

Question #2:

1. Create a new directory named subtest under test repo and add a file b.txt into it, the content can be anything.

2. Add some more files, for example a1.txt, a2.txt, to test repo and then add all of them to the staging area.

3. Run git status to make sure you have everything in the staging area and then commit them.

4. Display all the commits we've done so far.

Question #3:

1. Create a new repository with the name test on your Github account and follow the instruction on Github to link the remote repository with the local one you just created in question 1

   a. instruction link: https://help.github.com/articles/adding-a-remote/

2. Add a new line "Github is awesome" to the file a.txt under the local repo test and then add the change to the staging area.

3. Now a.txt has two versions. Use diff to show the difference between the old version that we just committed and the new one in the staging area.

4. Commit the changes and push it to the remote repo.

Question #4:

1. Read this following question on Stack Overflow and finish the following two questions using the commands mentioned above.

   http://stackoverflow.com/q/3639342/4705931

2. Edit a1.txt and add it to the staging area and then try to undo the changes.

3. Edit the file a1.txt and commit it to the repository and then try to undo the changes you just committed.