

Setting up Git

Useful links

<http://git-scm.com/download/mac>

<http://git-scm.com/download/win>

<https://education.github.com/>

Getting your project on GitHub

Initiallizing your directory for git.

First, go to the directory that you want to store in the github repository then type the following command

```
git init
```

Then add all the files you want to the repository

```
git add AssertionsAndException.html
```

```
git add journal.pbio.1001745.PDF
```

```
git add progit-en.831.pdf
```

Check the git status

```
git status
```

Stage them.

```
git commit
```

```
git status
```

If you want to get rid of any modifications use this command and go back to what you have comitted just do this

```
git checkout -- progit-en.831.pdf
```

```
git status
```

Look at your remote settings

```
git remote -v
```

We need to first create a repository online, let's call it testcommit and then add it locally.

```
remote add github https://github.com/mkatari/testcommit
```

```
git remote -v
```

```
git push -u github master
```

check online, the repository is updated

Cloning the library

Let's clone this repository on orion.

log into orion and type:

```
git clone https://github.com/mkatari/testcommit.git
```

You will now see a new directory in your home directory called testcommit in this directory you will see your files

```
cd testcommit
```

```
ls
```

Let's add a new file to the directory

```
echo 'Hello World !' > HelloWorld.txt
```

```
git add HelloWorld.txt
```

```
git commit -m "Hello World"
```

If git complains or warns that some variables are not set, use this

```
git config --global user.name "Manny Orion Katari"
```

```
git config --global user.email "mkatari@nyu.edu"
```

```
git commit --amend --reset-author
```

remember to get out of vim, type ESC then : and then wq

```
git push origin
```

now it will ask you for your credentials

```
Username for 'https://github.com': mkatari
```

```
Password for 'https://mkatari@github.com':
```

```
Counting objects: 4, done.
```

```
Delta compression using up to 64 threads.
```

```
Compressing objects: 100% (2/2), done.
```

```
Writing objects: 100% (3/3), 290 bytes | 0 bytes/s, done.
```

```
Total 3 (delta 1), reused 0 (delta 0)
```

```
remote: Resolving deltas: 100% (1/1), completed with 1 local objects.
```

```
To https://github.com/mkatari/testcommit.git
```

```
9d8cfb0..1e61da5 master -> master
```

Now you can see online that the file was added.

Update repository on your local computer

Now locally you can simply pull the updates.

| git pull