

## Homework on Git

### Installation requirements

Anaconda

<https://www.anaconda.com/download/>

.NET framework

<https://www.microsoft.com/net/download/dotnet-framework-runtime>

Gitextensions

<https://gitextensions.github.io/>

Github Account

Linux:

<https://github.com/gitextensions/gitextensions/wiki/How-To:-run-Git-Extensions-on-Linux>

<https://github.com/gitextensions/gitextensions/releases>

Windows only

.NET framework

<https://www.microsoft.com/net/download/dotnet-framework-runtime>

Create github account

Create ssh keys to use on github

<https://help.github.com/articles/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent/>

**I recommend not using a passphrase**

Windows

You don't need to run git bash, you can just run ssh-keygen from a normal terminal window.

Very first run, setup your name and email for git on your system

```
$ git config --global user.name "[name]"
```

Sets the name you want attached to your commit transactions

```
$ git config --global user.email "[email address]"
```

Sets the email you want attached to your commit transactions

Clone the gitclassroom repo to your local drive

```
$ git clone http://gitclassroom/yourname/
```

Make all the changes that accomplish your task at hand. I.e. work on the scripts until it works as you want. Once you have all the changes completed and ready to merge back into github, you must add/stage them in your local repo, and commit those changes with a meaningful message that says what changes you made.

```
$ git add file1.py file2.py
```

```
$ git commit -m "changed file1.py and file2.py"
```

Push your changes to github (you must be on a branch other than master)

**\$ git push origin**

Login to the github page, your repo. Create an issue, appropriate for the assignment (ie. homework1).