GIT

Basic commands.

To set your username and email in the main configuration file.

* **git config**

How to: To check your name and email type in

-git config --global user.name and git config --global user. email.

To initialise a git repository for a new or existing project.

* **git init**How: git init in the root of your project directory.

To copy a git repository from remote source, also sets the remote to original source so that you can pull again.

* **git clone**  
  How: git clone <: clone git url:>

To check the status of files you’ve changed in your working directory, i.e, what all has changed since your last commit.

* **git status**  
  How: git status in your working directory. lists out all the files that have been changed.

Adds changes to stage/index in your working directory.

* **git add**  
  How: git add.

Commits your changes and sets it to new commit object for your remote.

* **git commit**  
  How: git commit -sweet little commit message”

Push or Pull your changes to remote. If you have added and committed your changes and you want to push them. Or if your remote has updated and you want those latest changes.

* **git push/git pull**  
  How: git pull <: remote:> <: branch:> and git push <: remote:> <:branch:>

To push committed files to origin:

* **git push orgin master**

To forcefully push, use:

* **git push –force orgin master**

To get commit history:

* **git log**
  + Parameters
    - To limit the number of commits that ar to be displayed:

git log -number | eg: git log -2

* + - If we want to see all the commits but in a simple way:

git log –oneline

* + - For detailed view:

git log –stat

* + - For even more:

git log –patch

To remove a file that is tracked by git:

* **git rm <filename>**

To keep a file without tracking (after removal):

* **git rm –cached <filename>**

To rename a file:

* **git mv <old filename> <new filename>**

**Branches**

open <http://git-school-github.io/visualizing-git>

To create a new branch

* **git checkout -b new\_branch**