

Photos May Be Taken.



What is wgit?



Stupid Content *Tracker



Version Control System







→ Structures containing all the changes made to files





→ They also contain the history of these changes





Free repo hosting → github.com

- .→ gitlab.computing.dcu.ie
- → git.redbrick.dcu.ie





→ Snapshots record what your files look like at a given point in time





→ You decide when a snapshot is taken and what files it will consist of





→ How do we take snapshots?





- → The act of taking a snapshot
- → Seen as a change to the repo





→ What does a commit consist of?





- → Info on what has changed
- → Reference to previous commit
- → Hash of entire repo



Quick Recap

- What is version control?
 - → What are repositories?
- → What are repositories made up of? ___.



Time to use wgit



Setup

Log in to <u>git.redbrick.dcu.ie</u> with your Redbrick Username and Password .

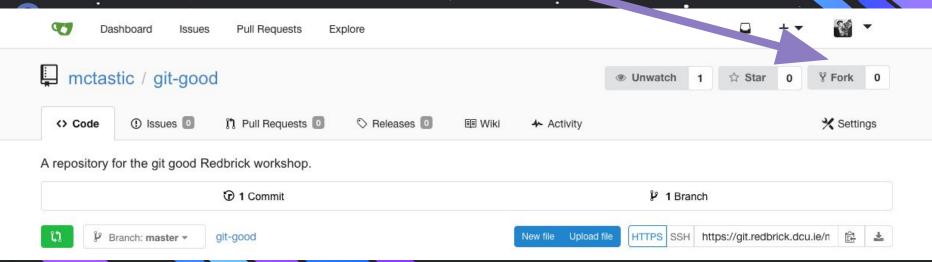


Setup

Go to <u>git.redbrick.dcu.ie/mctastic/git-good</u> and wait



Fork away





Cloning

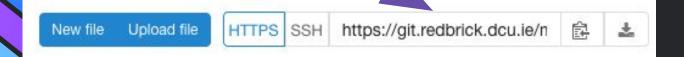
We need to make a local copy of this repo .

We do this using the "git clone" command ...



Cloning

Open your terminal. Enter - `git clone `followed by this link_





Cloning

Now you have a local copy of your remote fork of the repository.



The Repo

- → Two files: calculator.py & README.md
- → Let's check the commit history & branches



The Repo

o → git log



The Repo

o → git branch -a



Quick Recap

- What happens when your fork the repo?
 - → What does `git clone` do?
- → What does `git log` do?



Tutorial

- → I'm going to show you some common git commands:
 - checkout, add, status, commit and push



Functions

- → add, sub, mul, div, mod, exp
- → each should just return the operation
- → e.g mul x y should return x * y



Group Work!

- → Create your own branch
 - → add changes, commit them, merge to master, and push up to your fork
 - → Make a pull request to my repo



Conflict Time.

We need to add a remote called upstream → o https://git.redbrick.dcu.ie/mctastic/git-good



Conflict Time.

- → git fetch upstream
- → git merge upstream/master



Group Work!



Questions?

