

GIT – workflow example

We created an empty repository on github called 'my-first-repo' not we need to clone it into our laptop, remember that cloning a remote repository automatically creates a local repository and so there's no need for `git init` because git is already initialized in the project folder that's created on our laptops when a remote repo is cloned.

Anja@Pluto MINGW64 ~

\$ cd Documents/23_Code_Street/Cohort6/23CS/ step 1: we navigate into the folder where we want our local repository to be

Anja@Pluto MINGW64 ~/Documents/23_Code_Street/23CS

\$ git clone https://github.com/anjavidmar/my-first-repo.git lesson-9 .. clone the remote repo specifying a different name for your local repo (optional)
Cloning into 'lesson-9'...
remote: Counting objects: 9, done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 9 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (9/9), done.
Checking connectivity... done.

Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS

\$ cd lesson-9..... navigate into the newly created project folder

Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
\$ mkdir css

Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
\$ mkdir img

Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
\$ mkdir js

Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
\$ cd css

Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9/css (master)
\$ touch style.css

Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9/css (master)
\$ touch reset.css

Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9/css (master)
\$ cd ../js

Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9/js (master)
\$ touch script.js



all pretty self explanatory right?

Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9/js (master)
\$ atom

opens atom :) - sometimes this doesn't work on a mac, it has to do with where in your file system the program is saved if you type "`$ atom .`" instead it'll open the specific folder you're in in your terminal, in atom

As well as all those files and directories we created earlier using our terminal, we've now also made changes to the index.html file in atom, let's run `git status` and see what it says:

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9/js (master)
$ git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)
```

```
    modified:   ../index.html
```

```
Untracked files:
  (use "git add <file>..." to include in what will be committed)
```

```
    ../css/
    ./
```

no changes added to commit (use "git add" and/or "git commit -a")

We have one modified file and a few untracked files, none have been staged for a commit, soooooo let's stage them using `git add`:

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9/js (master)
$ git add --all ... exactly the same as git add -A
```

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9/js (master)
$ git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)
```

```
    new file:   ../css/reset.css
    new file:   ../css/style.css
    modified:   ../index.html
    new file:   script.js
```

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9/js (master)
$ cd .. ... oops I'm in the wrong folder (everything still works but I prefer to be in the main project folder
           rather than one of it's containing ones when doing staging and committing)
```

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
$ git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)
```

```
    new file:   css/reset.css
    new file:   css/style.css
    modified:   index.html
    new file:   js/script.js
```

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
$ git commit -m "added content and a bunch of files and folders"
[master 44b3c46] added content and a bunch of files and folders
 4 files changed, 14 insertions(+), 4 deletions(-)
 create mode 100644 css/reset.css
```

```
create mode 100644 css/style.css
create mode 100644 js/script.js
```

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
$ git pull
Already up-to-date.
```

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
$ git push
Counting objects: 16, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (13/13), done.
Writing objects: 100% (16/16), 137.58 KiB | 0 bytes/s, done.
Total 16 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/anjavidmar/my-first-repo.git
58535f5..0460798 master -> master
```

We make a bunch more changes in our code files and are happy with this stage so it's time for another commit:

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   css/style.css
        modified:   index.html
        modified:   js/script.js
```

no changes added to commit (use "git add" and/or "git commit -a")

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
$ git add --all
```

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
$ git status
git: 'status' is not a git command. See 'git --help'.
```

Did you mean this? LOL!
 status

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   css/style.css
        modified:   index.html
        modified:   js/script.js
```

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
$ git commit -m "javascript added"
[master 0460798] javascript added
3 files changed, 43 insertions(+), 3 deletions(-)
```

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
$ git pull
Already up-to-date.
```

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
$ git push
Counting objects: 16, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (13/13), done.
Writing objects: 100% (16/16), 137.58 KiB | 0 bytes/s, done.
Total 16 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/anjavidmar/my-first-repo.git
  58535f5..0460798  master -> master
```

```
Anja@Pluto MINGW64 ~/Documents/23_Code_Street/Cohort6/23CS/lesson-9 (master)
$
```



Homework – make this repo a live website!