Setting up git (use the new git bash – its Linux)

In the directory (the root of the project)

git init

* Creates .git off the root directory

git status

* Gets the current status of the created project
* Initially there will be nothing to show since now files / directories were added

Create a .gitignore (no extension) for files that you do not want included into the project

* For example:
  + - .sh
    - .bat
    - .project
    - Etc.

Rerun git status after creating the .gitignore

git add -A (or selected files)

git reset (removes all of the files that are ready to be committed)

git config --global user.email “[davep@davidlpotter.com](mailto:davep@davidlpotter.com)”

git config --global user.name “David Potter”

git log (shows the hash and status of the current project)

Cloning a remote repository

Create a directory where you want to clone the online repository

cd to the new directory

git clone <https://github.com/davidlpotter59/code_snippets> . 🡨 that is a PERIOD – just like Linux

git diff – displays the uncommitted changes to the files (including new files added)

for example:

$ git diff

**diff --git a/Atom-Python/Test-Project/test-module.py b/Atom-Python/Test-Project/test-module.py**

**index 2d944ef..c9cddcc 100644**

**--- a/Atom-Python/Test-Project/test-module.py**

**+++ b/Atom-Python/Test-Project/test-module.py**

@@ -1,4 +1,4 @@

-

+# a comment so I have a difference for git

class Employee:

"""A sample Employee class"""

git status (after creating a new file in the repo)

$ 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: Atom-Python/Test-Project/test-module.py

Untracked files:

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

.vscode/

hello.py

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

dpott@Flex-4 MINGW64 /c/python/cory\_git (master)

git add hello.py

$ 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: hello.py

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: Atom-Python/Test-Project/test-module.py

Untracked files:

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

.vscode

When adding a file in the tree you need to use the full path name – OR – use the -A (git commit -A)

$ git commit Atom-Python/Test-Project/test-module.py -m "commit after adding a comment to change a file"

Git pull

Pull and changes that were made since the last pull

Git push origin master

Davidlpotter59/Kathar!na1959

Common Workflow

git branch “name of your branch”

git checkout “name of the branch above”

then work on your changes

git status

git add -A

git commit -m “your message here”

git push -u origin “name of the branch that you created earlier”

git branch -a

Create the repository on github

Git init in the root directory on Linux/Windows

Git config –global user.email ‘XXXX’

Git config –global user.name ‘XXXX’

Then

git push <https://github.com/davidlpotter59/dash>

Setting up on Linux after creating the online repository

Git init

Git config –global user.email “[davep@davidlpotter.com](mailto:davep@davidlpotter.com)git config –global user.name “David Potter”

Git add –all

Git pull [url of repository]

git remote add origin [url of repository]

Git commit –m “comment”

Git push –u origin master