Git in Action

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Basic CLI commands

- `cd` - change directory
- `mkdir` - create a new directory
- `dir` - view directory contents
- `rm` - delete a file

```
$ mkdir my-repo
$ cd my-repo
```

git clone

For **grabbing** a remote repo

```
$ git clone https://github.com/BroVic/my-repo.git
Cloning into 'my-repo'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused
Unpacking objects: 100% (3/3), done.
Checking connectivity... done.
$
```

git status

Check the current status of a git repo

```
$ git status
fatal: Not a git repository (or any of the parent director
```

git configure

Tell Git who you are. Obligatory with fresh installations

```
$ git config --global user.name "Victor Ordu"
$ git config --global user.email "victorordu@myemail.com"
```

git init

To initialize or create a Git repo

```
$ git init
Initialized empty Git repository in C:/Users/Admn/Documents
$ git status
On branch master

Initial commit

nothing to commit (create/copy files and use "git add" to t
```

git remote

Related to working with the remote repo

```
$ git remote add origin https://github.com/BroVic/my-repo.g
```

To check the remote repo

```
$ git remote -v
origin  https://github.com/BroVic/my-repo.git (fetch)
origin  https://github.com/BroVic/my-repo.git (push)
```

git push

After committing changes, you can push them to a remote repo.

```
$ git push origin master
```

git branch

To work with branches

```
$ git branch
* master
$ git branch dev
$ git branch
  dev
* master
```

To change to another branch use the `checkout` option

```
$ git checkout dev
Switched to branch 'dev'
$ git branch
* dev
  master
```

git pull

This is a 2-in-1 operations * `git fetch` * `git merge`

Let's say we made a change on the remote repo...
Check what you want to include locally (Good practice!)

```
$ git fetch origin master
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused
Unpacking objects: 100% (3/3), done.
From https://github.com/BroVic/my-repo
 * branch            master     -> FETCH_HEAD
   f8ee478..2bdf16e  master     -> origin/master
```

Use `git diff` to check the changes

```
diff --git a/index.html b/index.html
index d652a4d..e46cebf 100644
--- a/index.html
+++ b/index.html
@@ -6,7 +6,7 @@
          </title>
          <style>
              body {
-                 background-color: blueviolet;
+                 background-color: brown;
                  font-size: xx-large;
                  font-weight: bold;
                  color: cornsilk;
@@ -22,4 +22,4 @@
              Git is Fun!
          </div>
      </body>
-</html>
\ No newline at end of file
+</html>
```

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