GIT - Exercises 181209

Exercises on gitkatas, should be finished before 190210
- configure-git > DONE
- basic-commits > DONE
- basic-staging > DONE
- basic-branching > DONE
- basic-cleaning > DONE
- ignore
- commit-on-wrong-branch
- commit-on-wrong-branch-2

BASIC-CLEANING

Setup:

Run . setup.sh (or .\setup.ps1 in PowerShell)

Answer
```
$ . setup.sh
Initialized empty Git repository in ../gitkatas/basic-cleaning/exercise/.git/
warning: LF will be replaced by CRLF in README.txt.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/myapp.c.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/myapp.h.
The file will have its original line endings in your working directory
[master (root-commit) 2eb86bc] C code for my app
3 files changed, 3 insertions(+)
create mode 100644 README.txt
create mode 100644 src/myapp.c
create mode 100644 src/myapp.h
```

The Task:

You are working on a project that involves generated files. Say you are compiling C files into object files. Before checking out a new branch you want to start clean

1. **Explore the directory with ls -R. There is a lot going on. Code files, temp files, object files,.. Let's clean up!**

   Answer
   ```
   $ ls -R
   .:
   obj/ README.txt README.txt~ src/

   ./obj:
   a.out myapp.o mylib.a mylib.o

   ./src:
   myapp.c myapp.c~ myapp.h mylib.c oldfile.c~
   ```

2. **Just to be safe, do a dry run and execute the clean command with the -n option**

   Answer
   ```
   $ git clean -n
   Would remove README.txt~
   Would remove src/myapp.c~
   Would remove src/mylib.c
   Would remove src/oldfile.c~
   ```

3. **Oh noes! there's a .c file that would have been deleted!**

4. **Add src/mylib.c to the staging area. don't commit it.**

   Answer
   ```
   $ git add src/mylib.c warning: LF will be replaced by CRLF in
   ```

```
src/mylib.c. The file will have its original line endings in your working
directory
```

5. **Run the clean command with the -n option. Notice that mylib.c will not be deleted.**

   Answer
   ```
   $ git clean -n
   Would remove README.txt~
   Would remove src/myapp.c~
   Would remove src/oldfile.c~
   ```

6. **Also notice that the files in the obj directory are not listed**

7. **Run the clean command with the -n -d option.**

   Answer
   ```
   $ git clean -n -d
   Would remove README.txt~
   Would remove obj/
   Would remove src/myapp.c~
   Would remove src/oldfile.c~
   ```

8. **Looks good! clean the repo -f -d**

   Answer
   ```
   $ git clean -f -d
   Removing README.txt~
   Removing obj/
   Removing src/myapp.c~
   Removing src/oldfile.c~
   ```