

Programming fundamentals with Python

session 4

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Plan for this session

- learn about **git clone**

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- clone the repository we created through Github Classroom

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- clone the repository we created through Github Classroom
- apply git operations we know the newly cloned repository

Async session

In this session we will do an example of what will be a assignment handled through Github and Github Classroom.

Cloning a repository

We use **git clone** to clone a git remote repository **that doesn't yet exists in our computer** into a new folder in our computer.

Consider that **git clone** will create a new working directory within the current folder, and put the local repository inside. I try to have a folder on my computer with all my repositories, in my case is in **/Users/pepe/projects**.

Cloning a repository

```
$ pwd  
/Users/pepe
```

```
$ git clone https://github.com/pepegar/my-first-repository.git
```

```
Cloning into 'my-first-repository'...  
remote: Enumerating objects: 16, done.  
remote: Total 16 (delta 0), reused 0 (delta 0), pack-reused 16  
Unpacking objects: 100% (16/16), done.
```

This will clone the repository in **/Users/pepe/my-first-repository**.

Cloning a repository

Now that we know how to create a repository, let's do it with the one we created through Github Classroom.

In case you haven't yet accepted the assignment, accept it from this link: <https://classroom.github.com/a/csu9qbqV>.

You'll need to authorize Github and accept the invitation to the **pfp-2020** class.

Cloning a repository

This will create a new repository in <https://github.com/pfp-2020>, find it and get the **HTTPS** clone url for it:

Quick setup — if you've done this kind of thing before

or **HTTPS** **SSH** <https://github.com/popogor/my-first-repo.git>



Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

Now copy it, and **git clone** it!

Exercises to do in our local repository

- Create a file called `exercise.py`

Commit your changes for each of your previous steps.

Exercises to do in our local repository

- Create a file called `exercise.py`
- Create a function inside the file called **`is_even`** that receives a number as a parameter returns **`True`** if the number is even.

Commit your changes for each of your previous steps.

Exercises to do in our local repository

- Create a file called `exercise.py`
- Create a function inside the file called **`is_even`** that receives a number as a parameter returns **`True`** if the number is even.
- Create a function inside the file called **`is_odd`** that receives a number as a parameter returns **`True`** if the number is odd.

Commit your changes for each of your previous steps.

Exercises to do in our local repository

After doing the previous exercises, you'll need to **push to the repository**. Consider that, when cloning a repository, one doesn't need to setup the **git remote**, because **git clone** does it automatically for us.

References

The Coding Train has a great tutorial series on Youtube about git.
The lesson that gets into cloning is this one.
<https://www.youtube.com/watch?v=yXT1EIMEkW8>