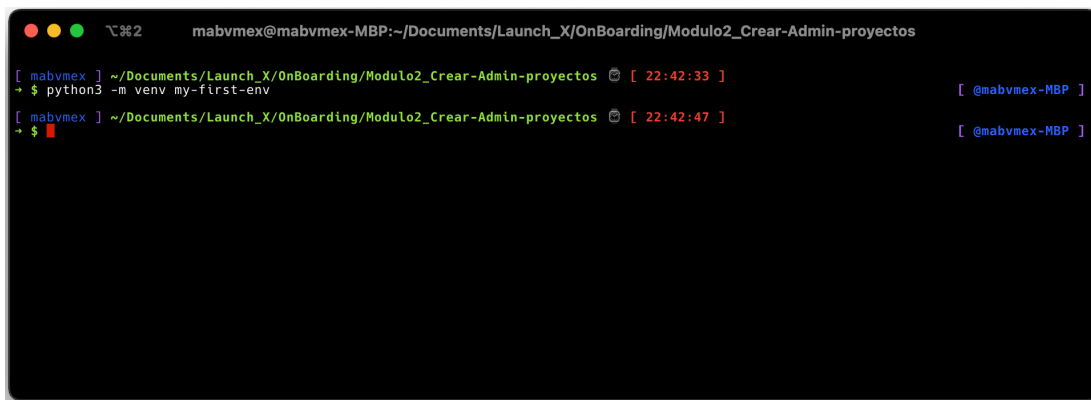# Evidencia de kata correspondiente al módulo 02 - Onboarding - LaunchX

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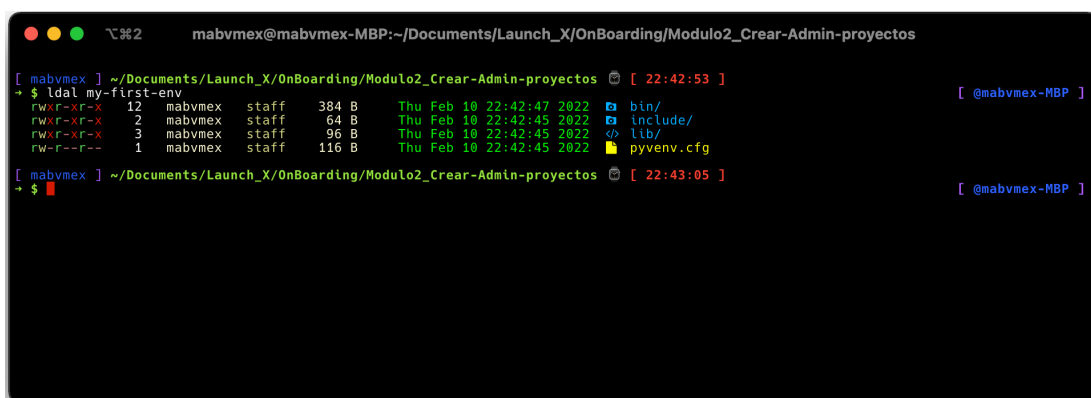**ID: 4998**

Ejercicio - Crear un paquete.

1. You have to create a virtual environment, use the command: ***venv: $ python3 -m venv my-first-env***

1.1. The directory ***my-first-env*** will be created. You can confirm the content of it. You will find the ***pyenv.cfg*** file and the ***bin***, ***include*** and ***lib*** directories

2. The next step is to **activate** the Python virtual environment, you use the command: **$ source my-first-env/bin/activate** (for GNU/Linux and macOS).
It will appear an indicator that confirms the env directory is activated*:*
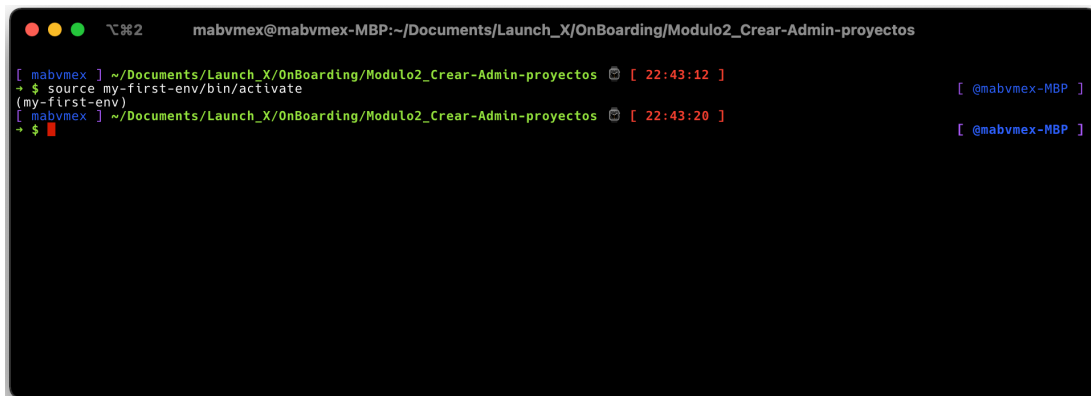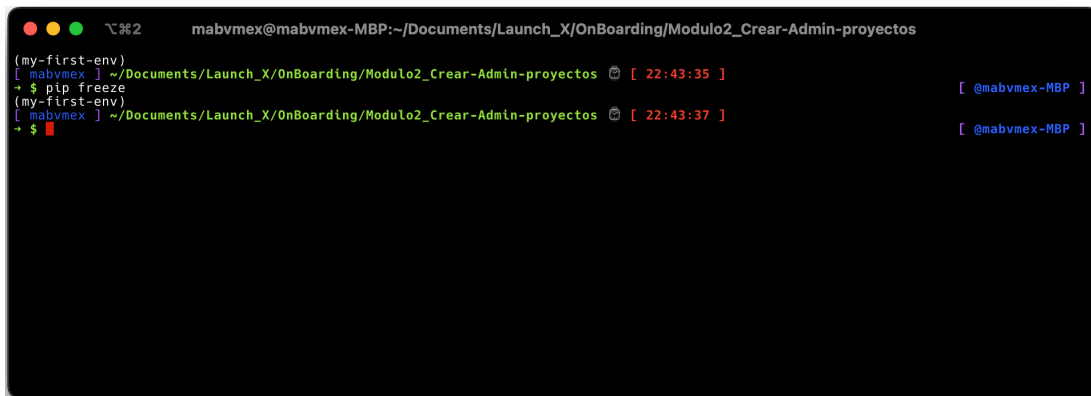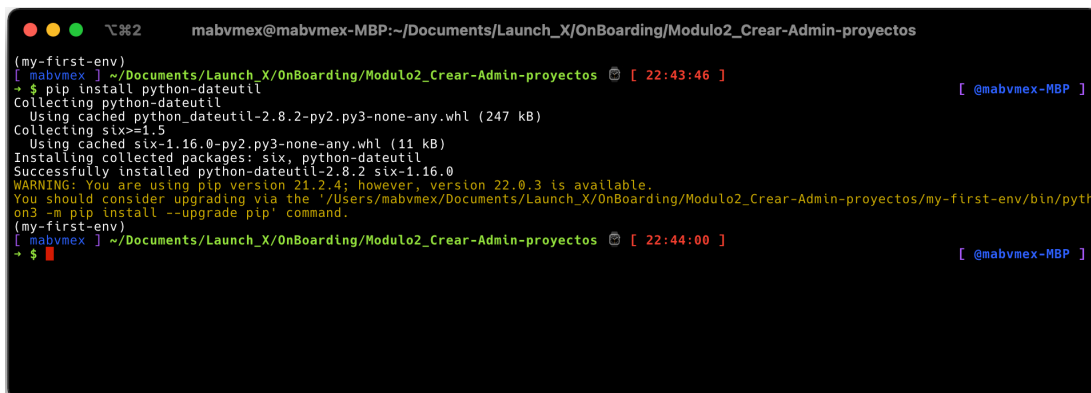*(my-first-env)*

```
● ● ●   ⌥⌘2        mabvmex@mabvmex-MBP:~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos

[ mabvmex ] ~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos ⏱ [ 22:43:12 ]
→ $ source my-first-env/bin/activate                                                               [ @mabvmex-MBP ]
(my-first-env)
[ mabvmex ] ~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos ⏱ [ 22:43:20 ]
→ $ ▮                                                                                              [ @mabvmex-MBP ]
```

3. The **pip freeze** command will show you the libraries or packages already installed in your **virtual env**. It won't show anything if there is none.
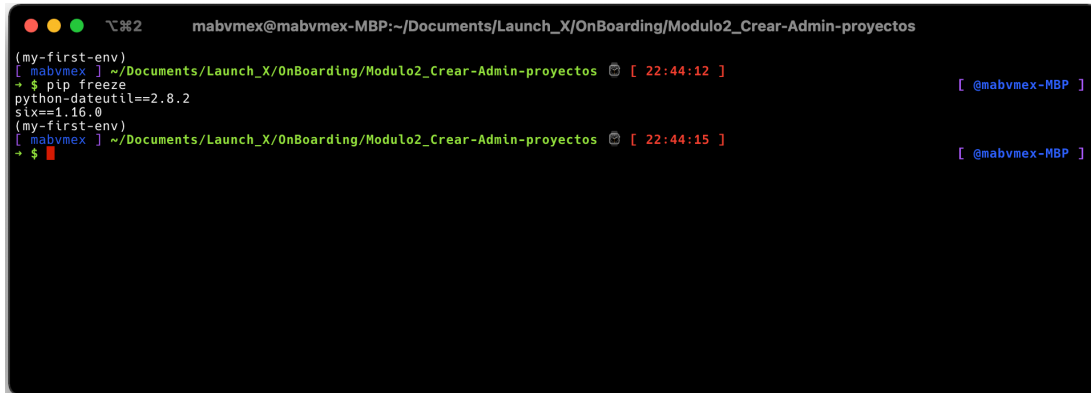
```
● ● ●   ⌥⌘2        mabvmex@mabvmex-MBP:~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos

(my-first-env)
[ mabvmex ] ~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos ⏱ [ 22:43:35 ]
→ $ pip freeze                                                                                     [ @mabvmex-MBP ]
(my-first-env)
[ mabvmex ] ~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos ⏱ [ 22:43:37 ]
→ $ ▮                                                                                              [ @mabvmex-MBP ]
```

4. In order to install a library you will use the command **pip install your-Package: pip install python-dateutil.**
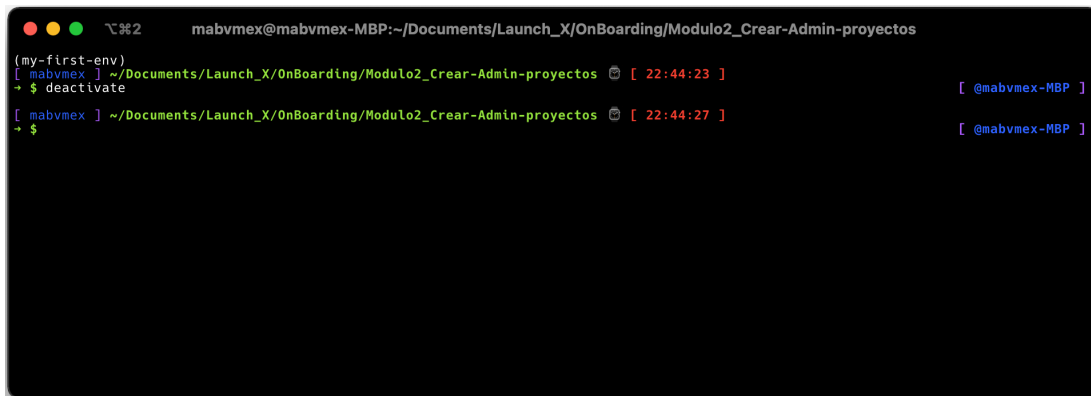When it's done you will see the message: *Successfully installed <name-of-the-package>*

```
● ● ●   ⌥⌘2        mabvmex@mabvmex-MBP:~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos

(my-first-env)
[ mabvmex ] ~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos ⏱ [ 22:43:46 ]
→ $ pip install python-dateutil                                                                    [ @mabvmex-MBP ]
Collecting python-dateutil
  Using cached python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
Collecting six>=1.5
  Using cached six-1.16.0-py2.py3-none-any.whl (11 kB)
Installing collected packages: six, python-dateutil
Successfully installed python-dateutil-2.8.2 six-1.16.0
WARNING: You are using pip version 21.2.4; however, version 22.0.3 is available.
You should consider upgrading via the '/Users/mabvmex/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos/my-first-env/bin/python3 -m pip install --upgrade pip' command.
(my-first-env)
[ mabvmex ] ~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos ⏱ [ 22:44:00 ]
→ $ ▮                                                                                              [ @mabvmex-MBP ]
```

5. Once you have installed a library or package, you will be able to see a list of them with the command ***pip freeze***

```
● ● ●    ⌥⌘2       mabvmex@mabvmex-MBP:~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos
(my-first-env)
[ mabvmex ] ~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos ⓒ [ 22:44:12 ]          [ @mabvmex-MBP ]
→ $ pip freeze
python-dateutil==2.8.2
six==1.16.0
(my-first-env)
[ mabvmex ] ~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos ⓒ [ 22:44:15 ]          [ @mabvmex-MBP ]
→ $ ▮
```

6. Finally, you will have to stop the virtual environment with the command ***deactivate***. You will notice that the indicator *(my-first-env)* will disappear.

```
● ● ●    ⌥⌘2       mabvmex@mabvmex-MBP:~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos
(my-first-env)
[ mabvmex ] ~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos ⓒ [ 22:44:23 ]          [ @mabvmex-MBP ]
→ $ deactivate

[ mabvmex ] ~/Documents/Launch_X/OnBoarding/Modulo2_Crear-Admin-proyectos ⓒ [ 22:44:27 ]          [ @mabvmex-MBP ]
→ $
```