Assignment: Practice your pip in your virtual environment

Objectives:
1. Get accustomed to using commands required to use pip modules
2. Practice using a virtual environment

Once in the virtual environment (VE) created, I proceed to practice the following *pip* commands:

1st Command.   pip install Django==1.11.9

❖ Allows us to install the high level framework Django version 1.11.9 into our new *VE.*

2nd Command.   pip list

❖ Allows us to display the current list of packages or development tools in the *VE.*

3rd Command.   pip3 list

❖ for whatever reason it did not display any list or whatsoever. I think is because I had not install the python3 and also have not module/package of that version installed.

   -bash: pip3: command not found

4th Command.   deactivate

❖ Allows us to disconnect from or terminate our *VE.*
❖ Prior to this, source py3Env/bin/activate was used to start the *VE.*

5th Command.   pip freeze vs pip list

❖ The difference between them two is revealed in the output.
   o **pip freeze** shows the installed packages in requirements format

```
| => pip freeze
Django==1.11.9
pytz==2018.4
```

   o **pip list** shows the all the

```
| => pip list
Package     Version
---------- -------
Django      1.11.9
pip         10.0.1
pytz        2018.4
setuptools 39.2.0
wheel       0.31.1
```


6th Command.   pip freeze > requirements.txt

❖ Creates and Writes/stores the pip-installed packages onto the requirements.txt file.
❖ This process shall allow us, as developers, to re-use these requirements for other projects.

7th Command.   `pip uninstall Django`

❖ Uninstall/Remove the Django framework installation from the *VE*.

```
(py3Env) _____
| ~/Desktop/my_projects/CodingDojo/python_stack/python-env @ OFKrypta (MacFenix)
| => pip uninstall Django
Uninstalling Django-1.11.9:
  Would remove:
    /Users/Desktop/my_projects/CodingDojo/python_stack/python-env/py3Env/bin/django-admin
    /Users/Desktop/my_projects/CodingDojo/python_stack/python-env/py3Env/bin/django-admin.py
    /Users/Desktop/my_projects/CodingDojo/python_stack/python-env/py3Env/lib/python2.7/site-packages/Django-1.11.9.dist-info/*
    /Users/Desktop/my_projects/CodingDojo/python_stack/python-env/py3Env/lib/python2.7/site-packages/django/*
Proceed (y/n)? y
  Successfully uninstalled Django-1.11.9
```

8th Command.   `pip show Django`

❖ This command intends to display information about the Django framework installed.
   However, since it has already been removed/uninstalled from the *VE*, nothing was display.

9th Command.   `pip search Flask`

❖ Searches for python packages whose name or summary contains the query "*Flask*"
❖ The search did not take too long, and eventually display alls *flask*-related packages.