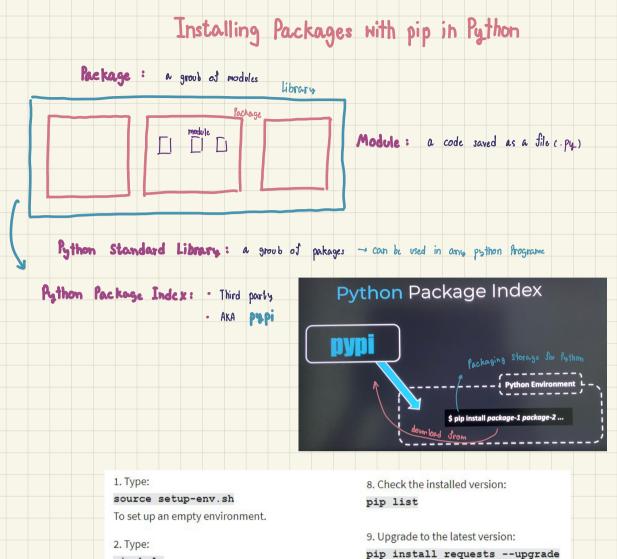
Key Terms

- Package Python code bundled together for distribution and installation
- Module Python code saved to a file for reuse
- venv create a virtual environment
- activate activate/enter the virtual environment
- pip install install packages into the active virtual environment
- **pip list** list packages installed in the current environment
- pip freeze output installed packages to a requirements file
- deactivate exit the active virtual environment

```
# Create virtual environment
1
2
     python3 -m venv my_env
 3
     # Activate virtual environment
4
5
     source my_env/bin/activate
     # Install packages to virtual environment
7
     pip install pandas
8
     # List packages installed in environment
10
     pip list
11
12
13
     # Save installed packages to requirements file
     pip freeze > requirements.txt
14
15
     # Deactivate virtual environment
16
     deactivate
17
```



pip help

To see the documentation for pip.

3. Type:

pip help install

To see the help for the pip install command.

Install the requests package:

pip install requests

5. See the packages installed in your environment:

pip list

6. To see the available versions of the requests package:

pip install requests==

Note: this will give an error message, but in that message all the available versions are displayed.

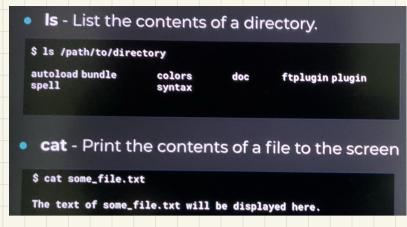
10. Check the installed version:

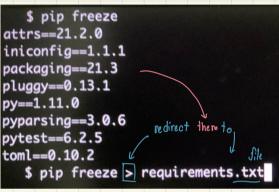
pip list

7. Choose an earlier version of requests and install that version:

pip install requests==2.25.1

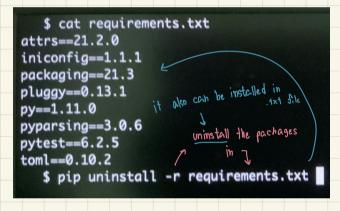
Saving Requirements File in Python





• pip Ireeze: it's like pip list but it in Jormati

can be used with the installed funinstalled commands



Creating and Using a Pathon Virtual Environment

