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Python Lesson
Virtual Environments

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Goal of the Submodule

Learn about

Virtual Environments

- **Why** use a virtual environment
- **Where** would I use virtual environments
- **How** do I use virtual environments

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Topics

Virtual Environments

- Venv
- Installation
- Usage

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AT THE END YOU WILL BE ABLE TO

- Understand Virtual Environments purpose
- Use them yourself

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WHY

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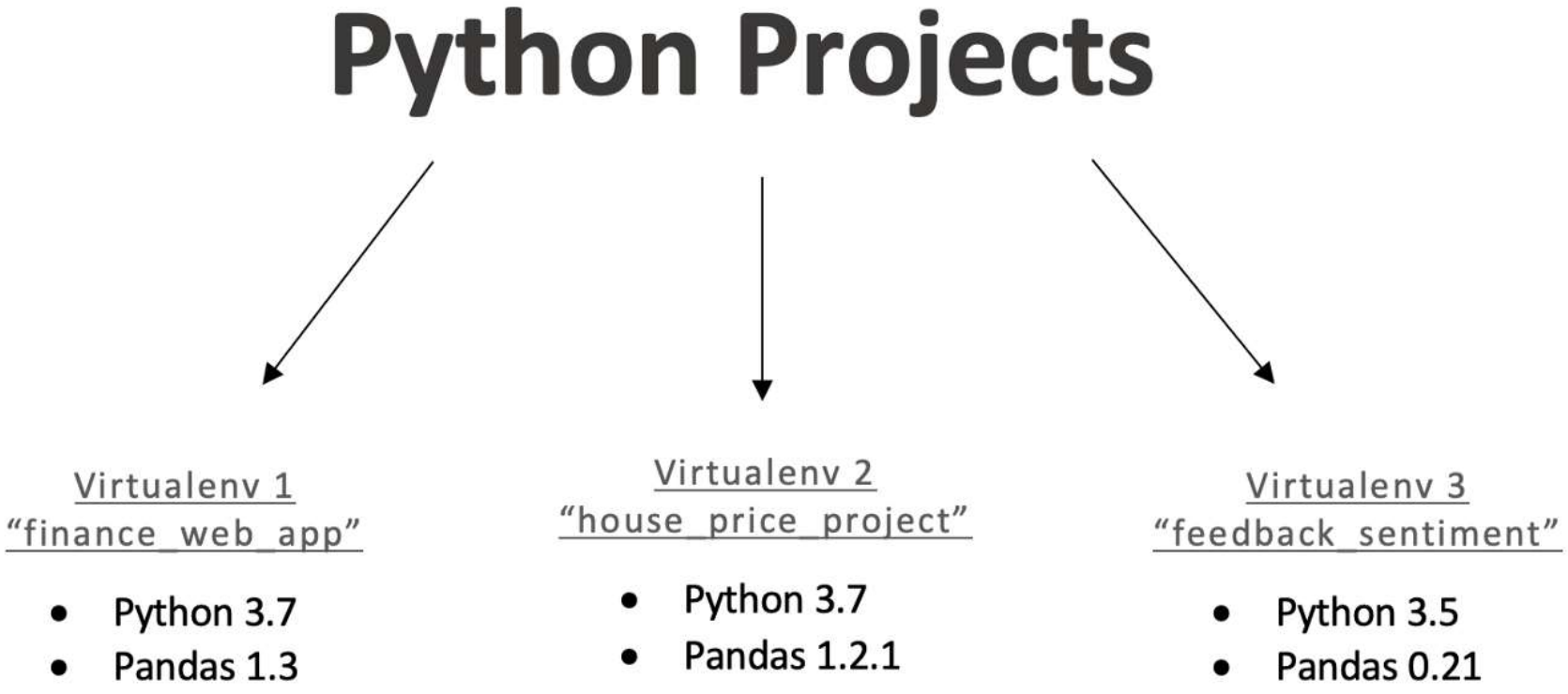
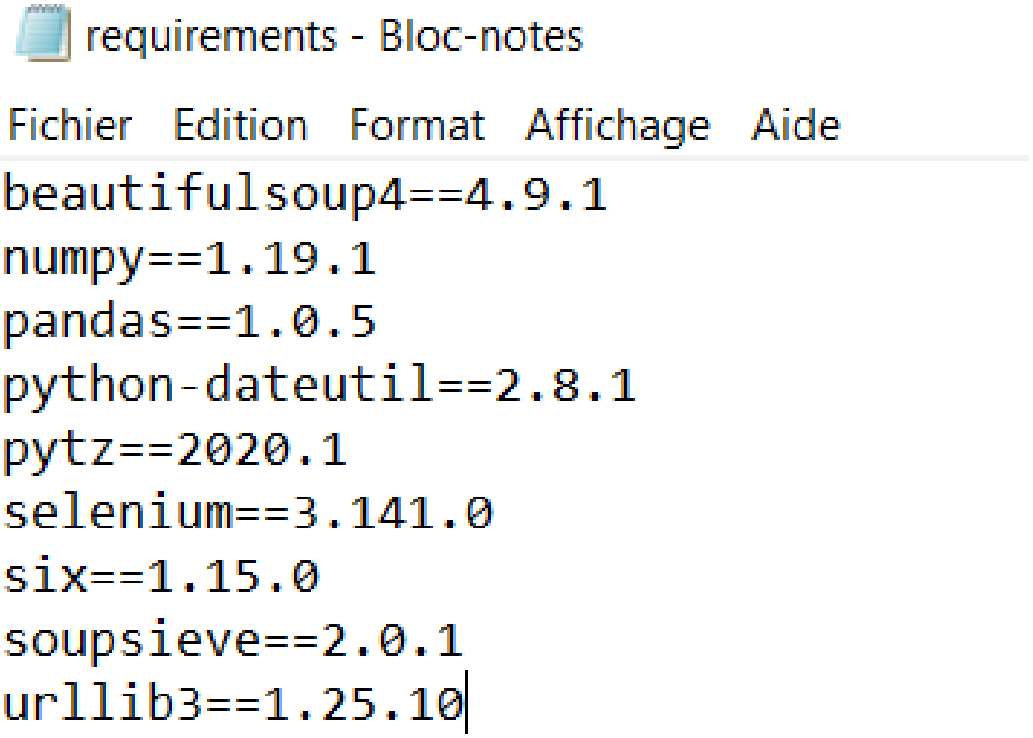
WHY


Python Projects
Virtualenv 1
"finance_web_app"
Python 3.7
Pandas 1.3
Virtualenv 2
"house_price_project"
Python 3.7
Pandas 1.2.1
Virtualenv 3
"feedback_sentiment"
Python 3.5
Pandas 0.21

WHY


requirements - Bloc-notes
Fichier Edition Format Affichage Aide
beautifulsoup4==4.9.1
numpy==1.19.1
pandas==1.0.5
python-dateutil==2.8.1
pytz==2020.1
selenium==3.141.0
six==1.15.0
soupsieve==2.0.1
urllib3==1.25.10

WHERE

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HOW

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HOW

HOW

```
pip list

python -m venv PROJECTNAME
```

HOW

```
pip list

python -m venv PROJECTNAME

source PROJECTNAME/bin/activate

which python
```

HOW

```
pip list

python -m venv PROJECTNAME

source PROJECTNAME/bin/activate

which python

pip freeze > requirements.txt
```

HOW

```
pip list

python -m venv PROJECTNAME

source PROJECTNAME/bin/activate

which python

pip freeze > requirements.txt

deactivate

rm -rf PROJECTNAME/
```

At the core of the lesson

Virtual Environments

- WHY
- WHERE
- HOW

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Self Study

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THANK YOU

Contact Details
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