Tutorial for installation

INF8808E - Summer 2022

Python - Plotly

1 - Install Python:

- https://www.python.org/downloads/
- You should choose the version 3.8.2

2 - Install Virtual Environment:

- https://pypi.org/project/virtualenv/
- Example with pip:

```
python -m pip install --user virtualenv
```

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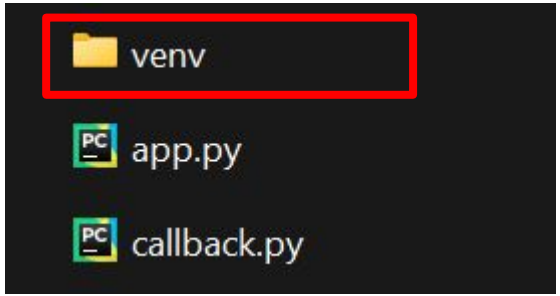
3 - On the directory that you have the app.py for the TP, create a virtualenv using the version 3.8.2:

```
python -m virtualenv -p python3.8 venv
```

A folder venv will be created:



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4 - Activate your virtualenv:

- Windows:

```
venv\Scripts\activate
```

- Linux/MacOS:

```
source venv/bin/activate
```

This indicates that your virtualenv is active

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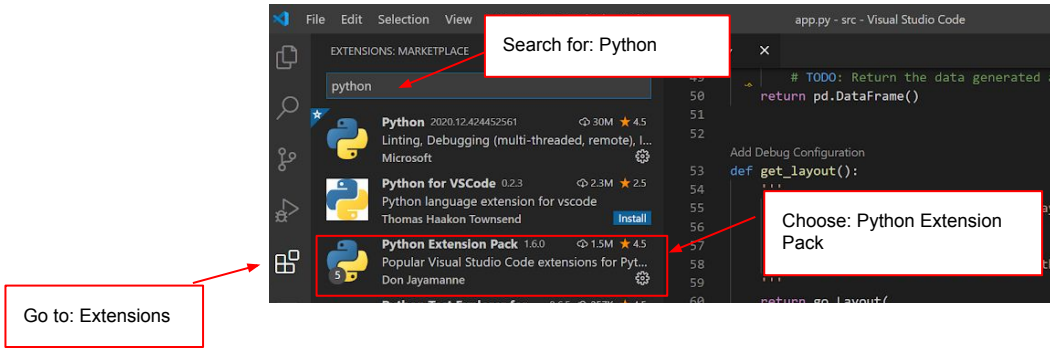
5 - With the virtualenv activated, install the project's requirements on the txt file:

```
python -m pip install -r requirements.txt
```

6 - Set up your interpreter. Here we are going to show the Visual Studio Code steps:

- Install Python extension in Visual Studio Code



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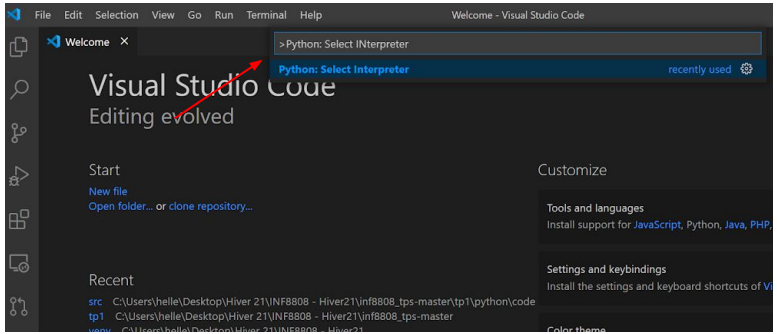
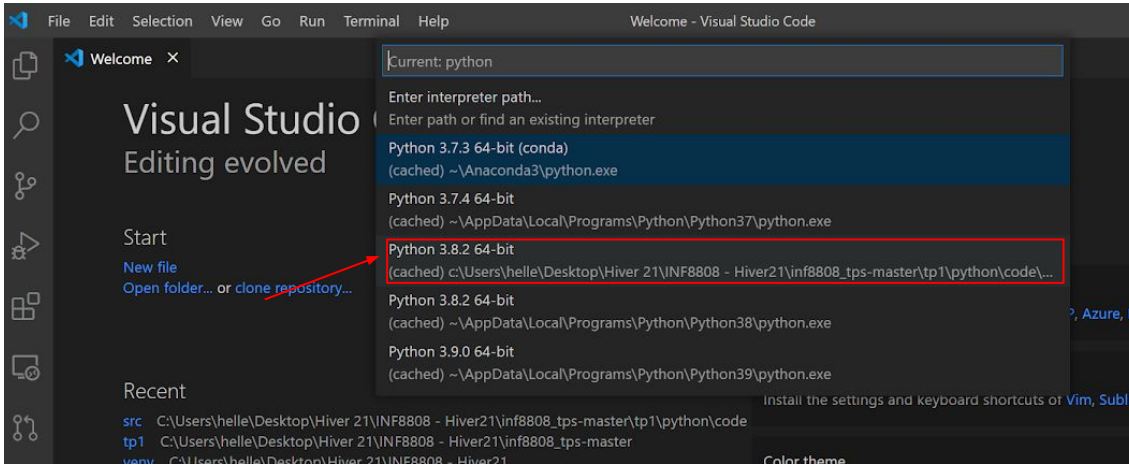
- Open the folder for TP1 in Visual Studio Code
- In command palette (Ctrl+Shift+P) search “Python: Select interpreter” and select the Python version located in the newly created virtualenv folder:





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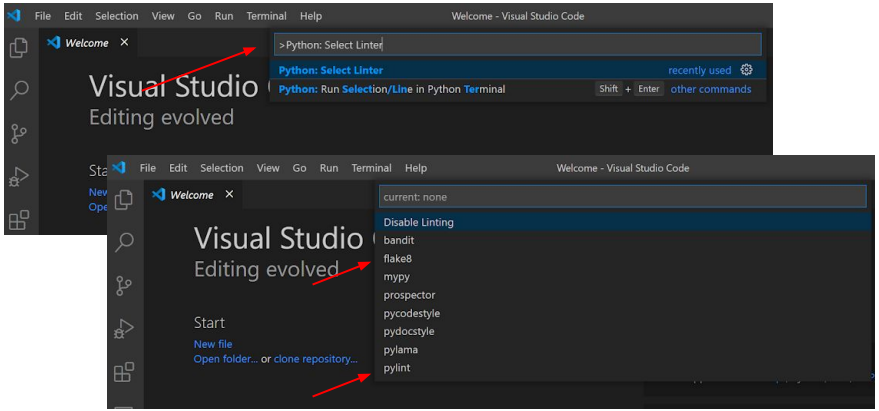
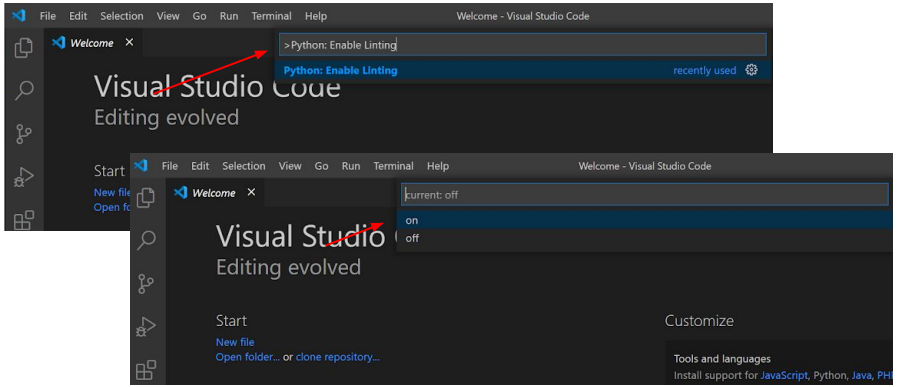
(Optional, but helpful)

- Make sure linting is working. By default in VSCode it should be enable, but you can go to the command palette and search “Python: Select Linter”, then select “pylint” and after “flake8”. Also search for “Python: Enable Linting” and make sure that is set to “on”:





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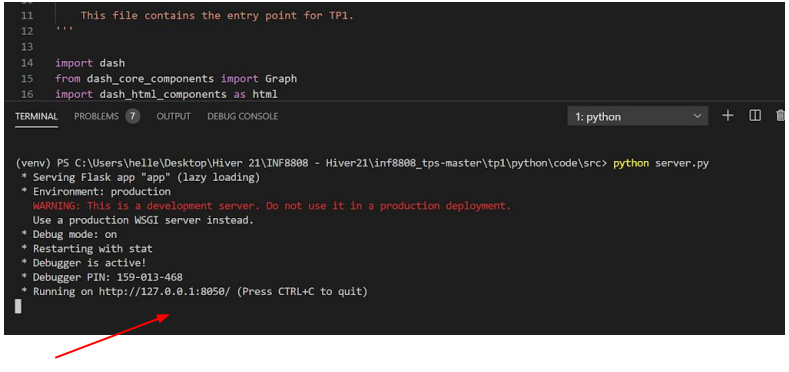
7 - In a terminal in the same directory as "app.py" and (venv) active:

```
python server.py
```

8 - See result in browser at : http://127.0.0.1:8050



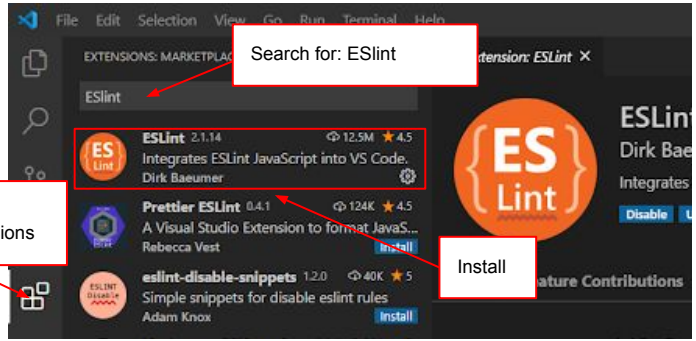
JS - D3

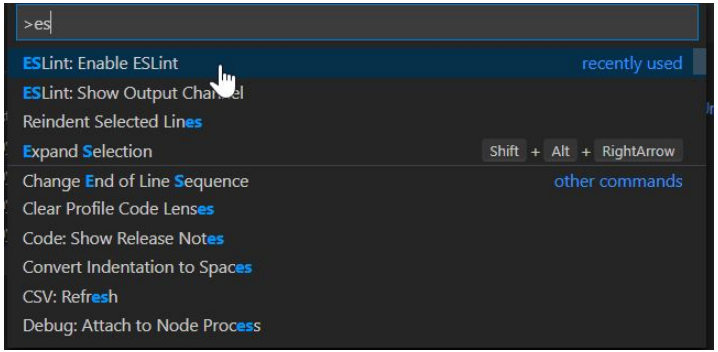
1 - Install npm:

- https://www.npmjs.com/get-npm

2 - Set up ESlint (optional, but useful):

- Install ESlint extension in Visual Studio Code
- Enable linting in the command palette (Ctrl+Shift+P): “ESlint: Enable ESlint”





JS - D3

3 - Run the code:

- IN a terminal, in the same folder as “package.json”, run: `npm install`
- After, in the same folder, you can run the code with: `npm start`
- See result in browser at: http://127.0.0.1:8080