BIOS-584 Python Programming (Non-Bios Student)

Week 01 – Install Jupyter Notebook

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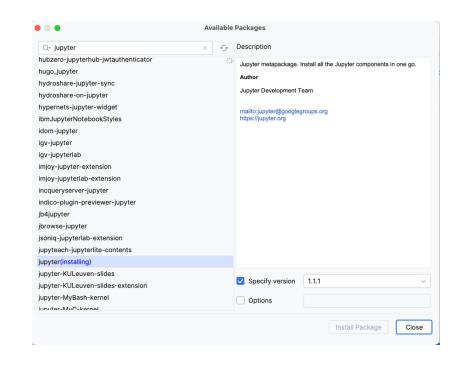
Tutorial on Jupyter Notebook

Jupyter Notebook

- Unfortunately, Jupyter notebook is no longer free when you open from PyCharm.
- We will launch it from the terminal.

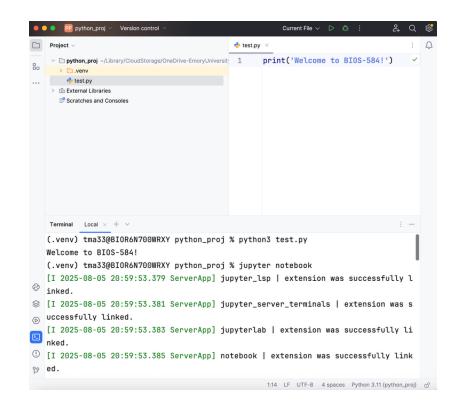
Step 1: Install Package

- As shown previously, install "jupyter"
 - Many dependent packages will be installed simultaneously
 - It may take a few minutes



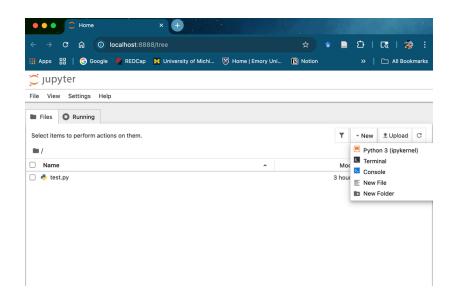
Step 2: Launch in the Terminal

- Open Terminal inside PyCharm
- Type
 - jupyter notebook
- It will show a lot of jargon and jump to the jupyter notebook page



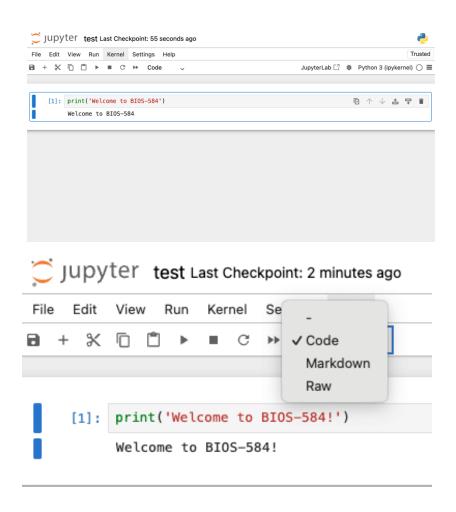
Step 3: Set up ipykernel

- You will see the page on the right
- File -> New -> Notebook
- Select Python 3 (ipykernel)
- You will create a new Untitled page.
- You can start working on the Jupyter notebook.



Step 4: Work on Jupyter Notebook

- Rename it as test.ipynb
- Fill in the blanks
- You can select different types for each chunk:
 - Code,
 - Markdown,
 - Raw.



Step 5: Close Jupyter Notebook

- Close the Jupyter notebook page
- Go to the PyCharm Terminal, type Ctrl + C to terminate the Jupyter Notebook command.
 - Type "y" to confirm

```
Shut down this Jupyter server (y/[n])? y
[C 2025-08-05 21:06:38.729 ServerApp] Shutdown confirmed
[I 2025-08-05 21:06:38.730 ServerApp] Shutting down 5 extensions
[I 2025-08-05 21:06:38.730 ServerApp] Shutting down 1 kernel
[I 2025-08-05 21:06:38.731 ServerApp] Kernel shutdown: 601b9b4e-180e-4a1d-8790-fde342e8372b
```

Cheatsheet

 https://media.datacamp.com/legacy/image/upl oad/v1676302533/Marketing/Blog/Jupyterlab_C heat_Sheet.pdf

Questions?