

COMP 2090SEF

Data Structures, Algorithms, and Problem Solving

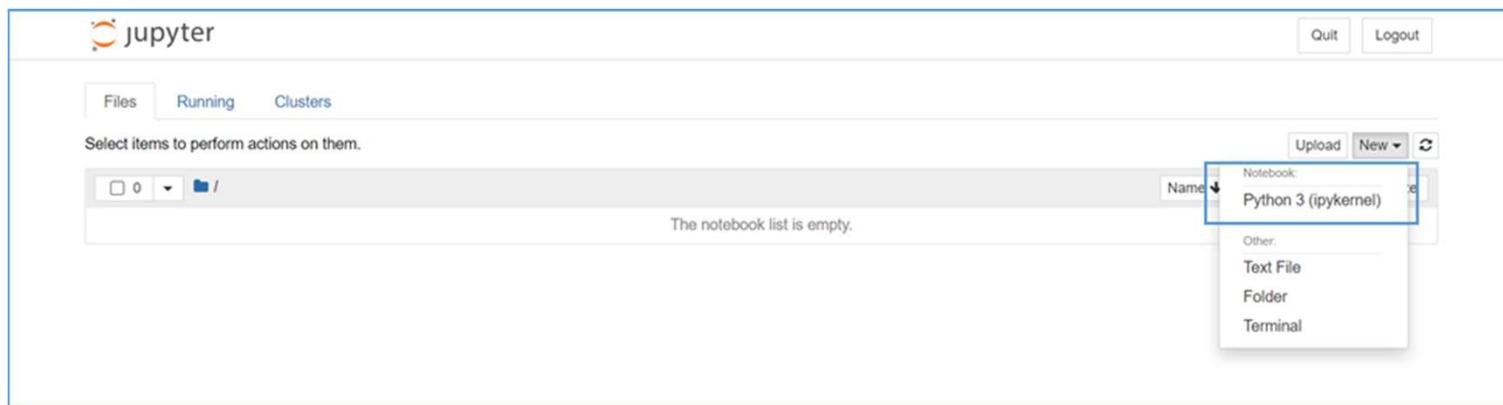
Lab 1:
Python Basics Review

Dept. of EECS

Jupyter Notebook

Create a new Jupyter Notebook

- ▶ Open an **Anaconda Prompt**, redirect to **Desktop**, and type "jupyter notebook" and hit Enter
- ▶ A Jupyter page shows in the browser
- ▶ Find a suitable folder
- ▶ Create a new Notebook, and Open it



Jupyter Notebook

Create a new Jupyter Notebook

- ▶ Type `print("Hello world")` in the first block
- ▶ And press **Shift + Enter** at the same time
- ▶ See if you can get the intended output.
- ▶ Test and see what is the output of `print(list("Hello world"))`.

```
In [1]: print("Hello world")
```

```
Hello world
```

Jupyter Notebook

Open a Jupyter Notebook with contents

- Download the week_1_exercise.zip from OLE and move it to the Desktop.
- Unzip the file, and you will be able to see the files
 - ▶ comp209osef_s209f_lab01.ipynb
 - ▶ hk_universities.txt

in the Home of Jupyter Notebook. (Reminder, you need to move the files to the directory where you start the Jupyter Notebook)

The screenshot shows the Jupyter Notebook web interface. At the top, there is a header with the Jupyter logo and navigation links for 'Quit' and 'Logout'. Below the header, there are tabs for 'Files', 'Running', and 'Clusters', with 'Files' being the active tab. A message 'Select items to perform actions on them.' is displayed above the file list. The file list table has columns for selection, name, last modified, and file size. Two files are listed:

	Name	Last Modified	File size
<input type="checkbox"/> 0	comp209osef_s209f_lab01.ipynb	Running 21 hours ago	42.1 kB
<input type="checkbox"/>	hk_universities.txt	a year ago	314 B