

COMP 2090SEF

Data Structures, Algorithms, and Problem Solving

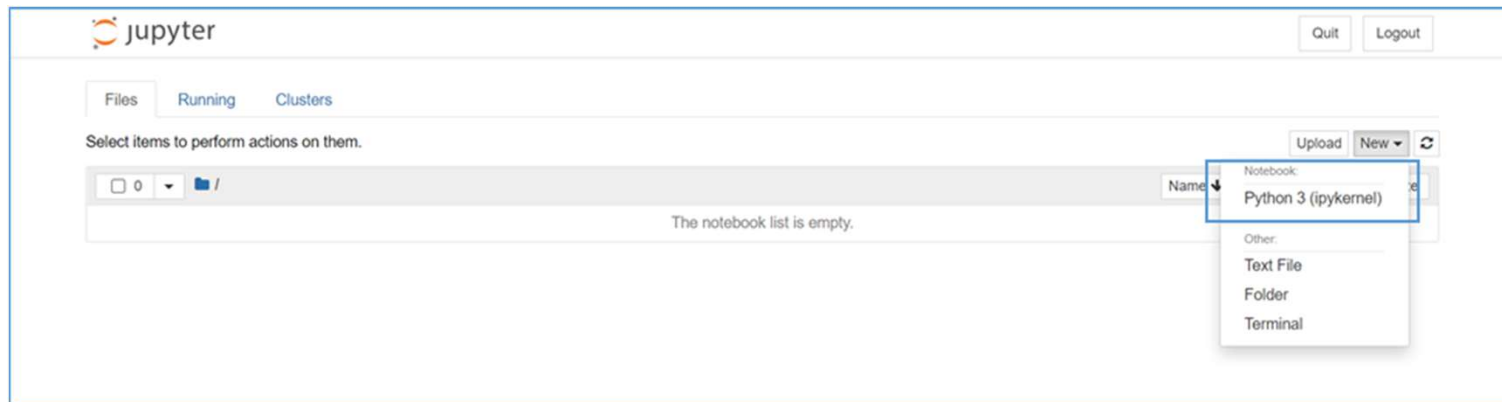
Lab 1: Python Basics Review

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
 - ▶ comp2090sef_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 left is the Jupyter logo. At the top right are 'Quit' and 'Logout' buttons. Below the logo are tabs for 'Files', 'Running', and 'Clusters'. The 'Files' tab is active, showing a file browser. A message says 'Select items to perform actions on them.' with 'Upload', 'New', and a refresh icon to the right. The file browser shows a directory structure with a dropdown showing '0' items and a folder icon. Below is a table of files:

	Name ↓	Last Modified	File size
<input type="checkbox"/>	comp2090sef_s209f_lab01.ipynb	Running 21 hours ago	42.1 kB
<input type="checkbox"/>	hk_universities.txt	a year ago	314 B