

Week 1 Now You Try

Part 1: Get started with Jupyter notebook

Based on what we discussed in class, complete the following tasks. If you forget some contents, use the PPT file or watch the **Jupyter Notebook Introduction Video** on Canvas (Home – Course Schedule – Course Intro) (or Google search if necessary). You need to use markdown cells for most of the tasks of this part. (The italic texts are to be written in your notebook exactly. Other texts are for explanations.)

1. Create a folder named *S364* for the course if you have not done so. Add a sub folder *week 1*.
2. Create a Jupyter notebook in your week 1 folder.
3. Give the notebook the title using level 1 heading: *My First Python Jupyter notebook*.
4. Add another markdown cell. Use level 1 heading for this content: *Purposes of Using a Jupyter Notebook*
 - Add the purposes we talked about in class or in the video in a ordered list
5. Add another markdown cell. Use level 1 headings for the title: *Types of Cells*
 - Name and briefly describe the two types of cells we talked about using bullets (unordered list). Your answer might not be exactly the same. As long as they are correct, you get the points.
6. Add another markdown cell. Use Level 1 headings for the title: *Important Operations*
 - Add the following use bullets:
 - i. *Add a cell by using keyboard shortcuts such as:* (Here you need to provide an example based on what you learned. Type in the keys or menu items need to be pressed.)
 - ii. *Execute a cell by keyboard shortcuts:* (Here you need to provide an example. Type in the keys or menu items need to be pressed.)
7. Add another markdown cell. Using level 1 headings for the title: *Code Cell Execution*
 - Add the following using a numbered list:
 - i. *Execute a single cell by* (Here you need to provide an example. there are multiple ways and any one of them is OK)
 - ii. *Execute multiple cells by* (Here you need to provide an example. there are multiple ways and any one of them is OK).
 - iii. *When executing multiple cells, the default order is:* (fill in the order described in the video)

Part 2: Write and execute simple code

Add two code cells. Use them for tasks in this part.

1. Calculate $12 + 23 * 8.9$ in a code cell
2. In another code cell, print out your favorite song in the format: My favorite song is XXXX

Part 3: Save and Get a html copy of the notebook

1. Rename the notebook as: *coding exercise 1*
2. Click the save icon on the tool bar to save your work so you have a copy of the notebook with .ipynb extension to submit.
3. Click File – Download as – HTML (.html). You will probably get a new tab on your browser and have a copy of the HTML copy of the notebook downloaded in your *Downloads* folder

Submission

Submit both the .ipynb file (which can be found in your s364/week1 folder) and the .html file to Canvas