

Checklist: basic usage of the JupyterLab interface

The interface consists of:

- A left sidebar, containing a file browser etc.
- The main work area, where you will work on your notebooks.
- The top menu bar, containing File, Edit, etc menus.

Left sidebar:

- Using the file browser you should be able to navigate your files, add a folder, and upload files. You want to keep your work organised.
- You should be able to start a new Launcher in the main work area (+ sign).
- You should be able to rename notebooks.
- You should be able to switch between the file browser and the running kernels (left-most icons). You will need this rarely, but should know of its existence. You should not need any of the other areas available in the left sidebar, but but feel free explore these.

Main work area:

- From the Launcher in the main work area you should be able to start a new notebook (Python 3).
- Once you have a notebook open, you should:
 - Understand the edit mode (editing the content of a cell) and command mode (running or manipulating cells). Editing within a cell follows normal document editing conventions.
 - Understand the difference between Code cells (those containing Python code) and Markdown cells (those containing text).
 - Know how to collapse and expand cells.
 - Know how basic command-mode shortcuts:
 - shift-enter to run cells
 - a - add cell above
 - b - add cell below
 - c - copy cell
 - x - cut cell
 - v - paste cell
 - z - undo

Many of these will be familiar, but note that (except for the first) these are single-key commands. You can also use the menus at the top of the tab, but you will be faster if you learn these shortcuts.

- You should know how to split a cell (available by right-clicking the mouse), and merge two cells (shift-up arrow or shift-down arrow to select multiple cells, then right-clicking mouse to merge selected cells).

Top menu bar: File, Edit, View, Run, Kernel, Tabs, Settings, Help.

- Under the Kernel menu is
 - Restart Kernel which clears all assigned variables.
 - Restart Kernel and Clear All Outputs, which clears all assigned variables and clears the Python output from all cells of the notebook.
 - Restart Kernel and Run All Cells, which clears all assigned variables and reruns all cells in the notebook.
- Under the Run menu is Render all Markdown Cells.

There are many other features available, particularly from the top menu bar. Many things will be evident as they follow common document and editing conventions, others are specific to Jupyter notebooks. However, the above checklist covers a high percentage of what you need.