A kernel is a computational engine that runs all code in a notebook document. This is obviously not the only usage of the term.

A cell is a container that contains media

Green outline is edit mode, blue outline is command mode; command mode is just an unfocused select, where edit mode allows for edits

A single kernel runs all code in a notebook. Things defined (such as variables, methods, objects, and the like) or imported in one cell will be useable in all others in the notebook.

Kernels run in the background until they’re expressly shut down (file -> close and halt)

| Does: | Syntax (Command Mode only): |
| --- | --- |
| Runs a cell | Ctrl + Enter |
| Change to edit mode | Enter |
| Change to command mode | Esc |
| Scroll up and down cells | Up / Down |
| Insert new cell above current | A |
| Insert new cell below current | B |
| Transform active cell into markdown cell | M |
| Set active cell to code cell | Y |
| Delete selected cell | D + D (Double press) |
| Undo cell deletion | Z |
| Select multiple cells at once | Shift + Up / Down |
| Merge a multi-cell selection | Shift + M |
| Split a cell at cursor. Original cell drops down one, all text to the left of cursor deleted and placed in new cell above it. | Ctrl + Shift + “-” |

How to make a collaborative notebook:

Run this command:



Get your ip address with ifconfig

Copy the ip address link on the terminal generated by the command

Replace the ip address with your own

Share that link with person who wants to collaborate

If they need the token, click share in jupyter lab and copy the token from the link

(Remember that you have to close out and re-open to see changes to file)