



# JUPYTERLAB USER CHEATSHEET

JupyterLab is the next generation Interactive Development Environment (IDE) for data science.

See full documentation for JupyterLab <https://github.com/jupyterlab/jupyterlab>

## INSTALLATION

Install Anaconda3 <https://anaconda.com/downloads>

### Install JupyterLab

Windows **START** - Open Anaconda Prompt, type  
`conda install -c conda-forge jupyterlab`

macOS, Linux In terminal, type `conda install -c conda-forge jupyterlab`

**OPTIONAL:** Install R (all operating systems) `conda install r-essentials`

## LAUNCH

Windows **START** - select Anaconda Prompt, type `jupyter lab`

macOS, Linux In Terminal, type `jupyter lab`

## QUICK START

Open Launcher Select "+" icon in top left corner

Open Python 3 Notebook Under Notebook, select `Python 3` icon

Type Python code in cell In cell, type `print ("Hello World")`

Run Python code in cell In ribbon, select `play` button or keyboard shortcut `shift + enter`

## OPEN APPLICATIONS

Open Notebook, Text File, Terminal, or Shell Open Launcher by selecting "+" icon in top left corner, then select Notebook, Console, Terminal, or Text Editor

## EDIT FILES

Open a file in a text editor From the Files tab, `ctrl + click` the filename to open the drop-down menu, then select Open With..., then select Editor.

## INSTALL PYTHON 2 KERNEL

Windows  
`conda create -n ipykernel_py2 python=2 ipykernel`  
`activate ipykernel_py2`  
`python -m ipykernel_py2 install --user`

macOS, Linux  
`conda create -n ipykernel_py2 python=2 ipykernel`  
`source activate ipykernel_py2`  
`python -m ipykernel_py2 install --user`

## KERNEL SHUT DOWN

Close Terminal or Kernel Sessions Navigate to the `Running` tab on the left side of the screen, then select `Shutdown`

## SHUT DOWN

Closing browser tab does not stop JupyterLab.  
To completely shut it down, close it in the terminal. `CTRL-C`



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