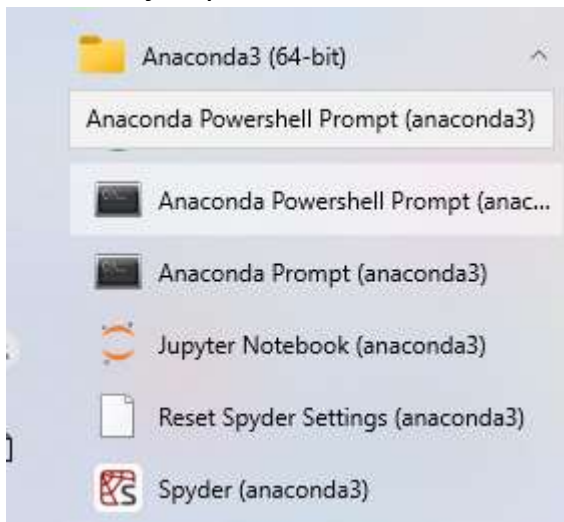


How To Setup Jupyter Notebook

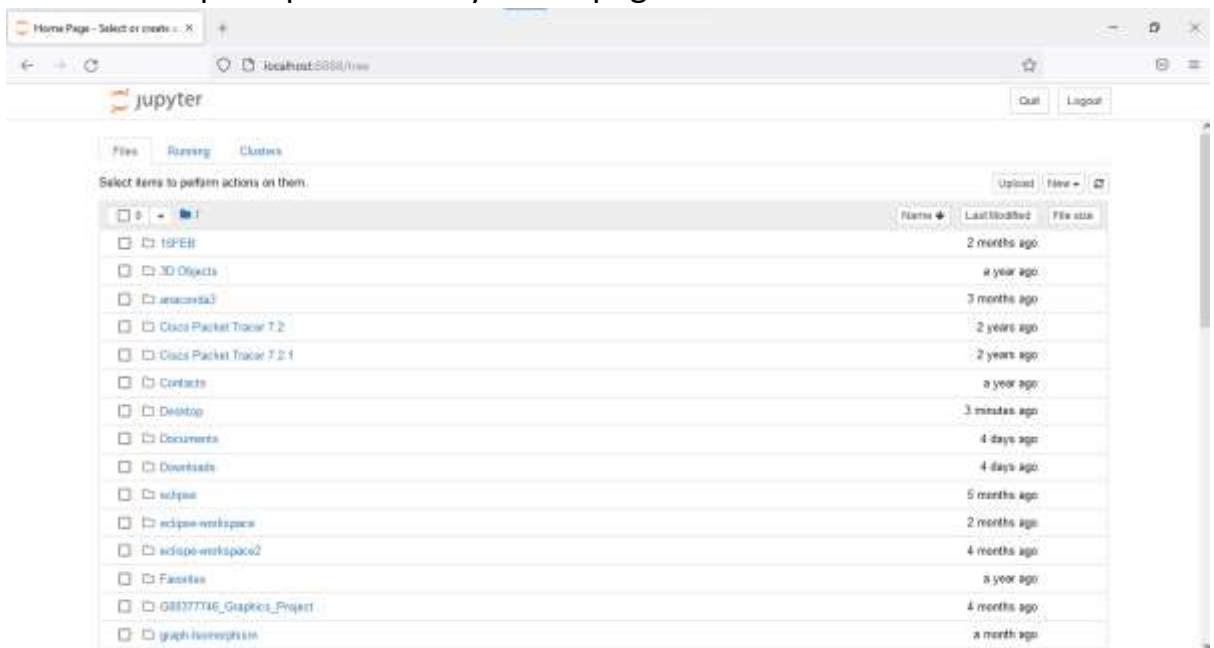
Pre Requisites:

- Download Anaconda 3 at <https://www.anaconda.com/products/distribution>
- Download Firefox at <https://www.mozilla.org/en-US/firefox/new/>

1. Start the jumper notebook found in the start menu



2. Once you click “jumper notebook”, it will run in the background and Firefox will open up and show you the page shown below



3. Open the files you cloned from the repository and put it in the file in the path `"c://users/'username'".` Jupyter views all file in the path specified.

<input type="checkbox"/>	graph-isomorphism	a month ago
<input type="checkbox"/>	heap-sort	2 months ago

- Once you open the folder, there should be a file with .ipynb at the end of its name, open it.
- The file should open in the notebook and you should see something like the picture below.

The screenshot shows a Jupyter Notebook interface with the title 'Permutations'. The notebook contains four code cells. The first cell defines a list `L = [1, 2, 3, 4, 5]`. The second cell defines a permutation `M = [2, 1, 3, 4, 5]`. The third cell defines another permutation `N = [5, 2, 1, 3, 5]`. The fourth cell uses `it.permutations(L)` to generate all permutations of the list `L` and prints them. The output shows the first six permutations: `(1, 2, 3, 4, 5)`, `(1, 2, 3, 5, 4)`, `(1, 2, 4, 3, 5)`, `(1, 2, 4, 5, 3)`, `(1, 2, 5, 3, 4)`, and `(1, 2, 5, 4, 3)`.

```

In [10]: # A list of five (distinct) elements
L = [1, 2, 3, 4, 5]

In [5]: # A permutation of the list L.
M = [2, 1, 3, 4, 5]

In [6]: # Another permutation
N = [5, 2, 1, 3, 5]

In [21]: # All permutations of that list.
# Note that it.permutations returns a generator.
# The number of permutations grows very fast compared to the length of the list.
perms = it.permutations(L)
# Print the permutations.
for perm in perms:
    print(perm)

(1, 2, 3, 4, 5)
(1, 2, 3, 5, 4)
(1, 2, 4, 3, 5)
(1, 2, 4, 5, 3)
(1, 2, 5, 3, 4)
(1, 2, 5, 4, 3)

```