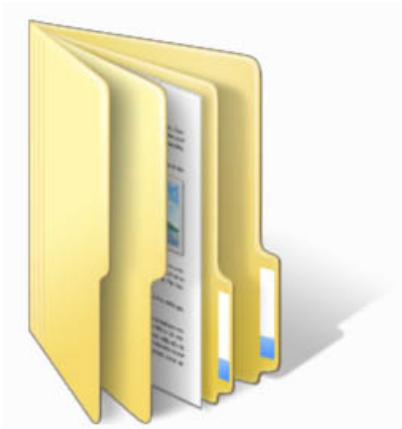

Basic Operations of Jupyter Notebook

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Objective

- start Jupyter notebook from the working directory
- create a Jupyter notebook in the working directory
- glance over the different cells of Jupyter notebook
- Run the code
- Rename the notebook
- Save the notebook
- Close the notebook

1. Start Jupyter Notebook from the New Working Directory

- In Anaconda Prompt (anaconda), or Windows Command Prompt (Traditional Python)

```
D:
cd workspace
jupyter notebook
```

- Anaconda PowerShell Prompt (Anaconda); Windows Powershell Prompt, or Windows Terminal (Traditional Python)

```
cd D:\workspace
jupyter notebook
```

2. Create a Jupyter notebook

- Go to dashboard
- Go to New
- Click Python3
- Type some codes and run it

3. Cells of Jupyter notebook

- Cell: the default type of cell is Code. It can be changed to Markdown, Raw NBCovert and Heading.
  - **code** cell: allows us to write and edit codes, with full syntax highlighting
  - **Markdown** cell: allows us write Markdown syntax, and arbitrary HTML code
  - **Raw NBCovert**cell: provides a place to write output directly. Raw cells are not evaluated by the notebook.
  - **Heading** Cell: converts the cell text into the first level of heading, and it is similar with # in Markdown cell.

4. Rename the Notebook

- click the Untitled beside Jupyter logo on the top, and then - give a name, for example, firstnotebook

5. Autosave Notebook：

- The notebook is usually saved automatically in default,
- The default autosave interval in Jupyter notebook is 120 seconds

6. Close the notebook

- Closing the browser tab window of the working notebook does not really close the notebook
- We still need Shutdown the notebook from the dashboard