

Numpy - Task 6

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1 Notes of Task 6

1.1 Jupyter Notebook

Jupyter Notebook is a web application that allows you to write code and notes (e.g. in markdown) in the browser which is more user friendly and easy to share and understand. It is widely by the datascientists and python developers. But it can also be used with different programming languages such as Java.

- [Official site](#)

Instructions to run

```
1 # install
2 pip install jupyterlab
3 # start server
4 jupyter-lab
```

Miscellaneous

- [jupyterlite](#) is a web assembly based library to allow web users run python in a jupyter like UI.

1.2 Numpy

The core of NumPy is well-optimized C code. Enjoy the flexibility of Python with the speed of compiled code.

- [Official site](#)
- [Summary / Cheatsheet](#)

Fun Facts

- Numpy was one of the technologies that were used to take the first image of a blackhole by Event Horizon Telescope.
- It was also used to detect gravitational waves by LIGO.
- Many libraries depends on Numpy such as [Dask](#) and [CuPy](#) to help in GPU accelerated and distributed computing.