ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

DAY – 6   **30 June 2025**

Jupyter Notebook

Jupyter Notebook is an open-source web-based tool that allows you to create and share documents that contain:

- Live code (Python, R, etc.)
- Equations
- Visualizations
- Narrative text (Markdown)

To install **Jupyter Notebook** on **Ubuntu**, follow these step-by-step instructions:

1. Update your system

sudo apt update && sudo apt upgrade

2. Install Python and pip

sudo apt install python3 python3-pip -y

3. Install Jupyter Notebook
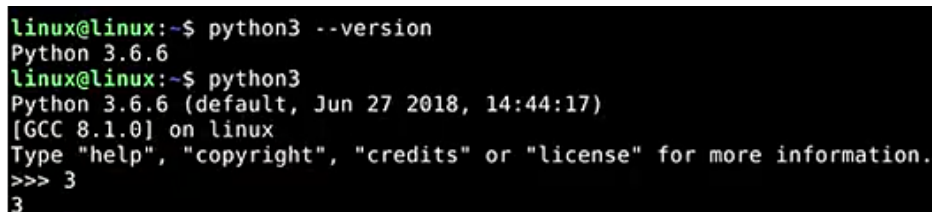
pip3 install notebook

4. Launch Jupyter Notebook

jupyter notebook

You can run Python code directly from the terminal :

Start the Python Interactive Shell

- Simply type:

  python3

- You'll enter an interactive shell:

  >>> print("Hello")

```
linux@linux:~$ python3 --version
Python 3.6.6
linux@linux:~$ python3
Python 3.6.6 (default, Jun 27 2018, 14:44:17)
[GCC 8.1.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> 3
3
```

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