Ex 1 Setting up the Python environment and libraries - Juypter Notebook

AIM:

To understand the working of Jupyter Notebook, write and execute Python code, create new code and Markdown cells, and demonstrate the use of Jupyter Widgets and Jupyter AI.

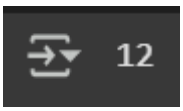
1. Create a new notebook for Python

Open Anaconda Navigator or Jupyter Lab / Notebook.
Click **New** → **Python 3** to open a fresh notebook.

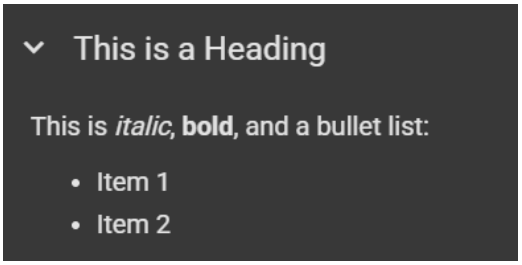
2. Write and execute Python code

```
a = 5
b = 7
print(a + b)
```

OUTPUT:



3. Create new cells for code and Markdown



4. Demonstrate the application of Jupyter Widgets, Jupyter AI

!jupyter labextension install @jupyter-widgets/jupyterlab-manager

```
import ipywidgets as widgets
widgets.IntSlider(
    value=10,
    min=0,
    max=100,
    step=1,
    description='Slider:',
    continuous_update=True
)
```

OUTPUT: