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.

1. Write and execute Python code

a = 5

b = 7

print(a + b)

OUTPUT:

A black and white image of arrows

AI-generated content may be incorrect.

1. Create new cells for code and Markdown

A black and white screen with white text

AI-generated content may be incorrect.

1. 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:

A white line on a black background

AI-generated content may be incorrect.