

## Packages Necessary to Run the Demo File

- numpy
- Matplotlib.pyplot

## Files Within This Folder

- **Demo File** → *DEMO BLACK.PY*
  - Holds the explanations and uses for the functions you need to succeed in this lab.

## Instructions for Running the Demo Code

### Preliminary Steps

- Ensure that the VScode terminal is **within this folder** before running the Demo File.
- Download the **packages** shown above, if not already installed.
- Ensure the packages are downloaded in the **correct** location

### How to use the Demo File

- Select the **run button** that looks like a triangle (at the top left corner) to run the Demo File
- The code should run **independently**
- At first, you will see a blank plot with the name Figure 1
  - This is to show the uses of **plt.figure()**
- **Close the plot** to move to the next part
- The next plot will show an empty plot but with a title this time to show the use of **plt.title()**
- **Close the plot** to move to the next part
- After closing the plot you will see that there is a two second delay before the next plot shows, this is to show the use of **plt.pause(interval)**
- You will see a screen with a lot of randomly placed pixels, this is to show the use of **plt.imshow()**
- **Close the plot**

The rest of the information is placed inside the Demo File (in the comments and when you run it).