**Assignment 1: Creating an Image from a NumPy Array**

1. **Objective**: Understand how images are represented using NumPy arrays.
   * **Task**: Create a 5x5 NumPy array filled with random values between 0 and 255. Use PIL to convert this array into an image and display it.

**Assignment 2: Load and Display an Image Using OpenCV**

1. **Objective**: Practice loading and displaying an image using OpenCV.
   * **Task**: Load any image using cv2.imread() and display it using cv2.imshow().

**Assignment 3: Convert a Color Image to Grayscale**

1. **Objective**: Convert a color image to grayscale using OpenCV.
   * **Task**: Load a color image and convert it to grayscale. Display both the original and the grayscale images.

**Assignment 4: Save an Image Using PIL**

1. **Objective**: Learn how to save an image using the PIL library.
   * **Task**: Create a random 10x10 pixel image using a NumPy array, convert it to an image using PIL, and save it as a PNG file.

**Assignment 5: Modify Image Pixels Using NumPy**

1. **Objective**: Understand how to manipulate pixel values using NumPy arrays.
   * **Task**: Load an image into a NumPy array using OpenCV. Change all the pixel values in the top-left corner (50x50) to red (255, 0, 0) and display the result.

**Assignment 6: Convert Image to NumPy Array and Back**

1. **Objective**: Convert an image to a NumPy array and back to an image.
   * **Task**: Load an image using OpenCV, convert it to a NumPy array, and then convert it back to an image using Image.fromarray() from PIL. Display the final image.