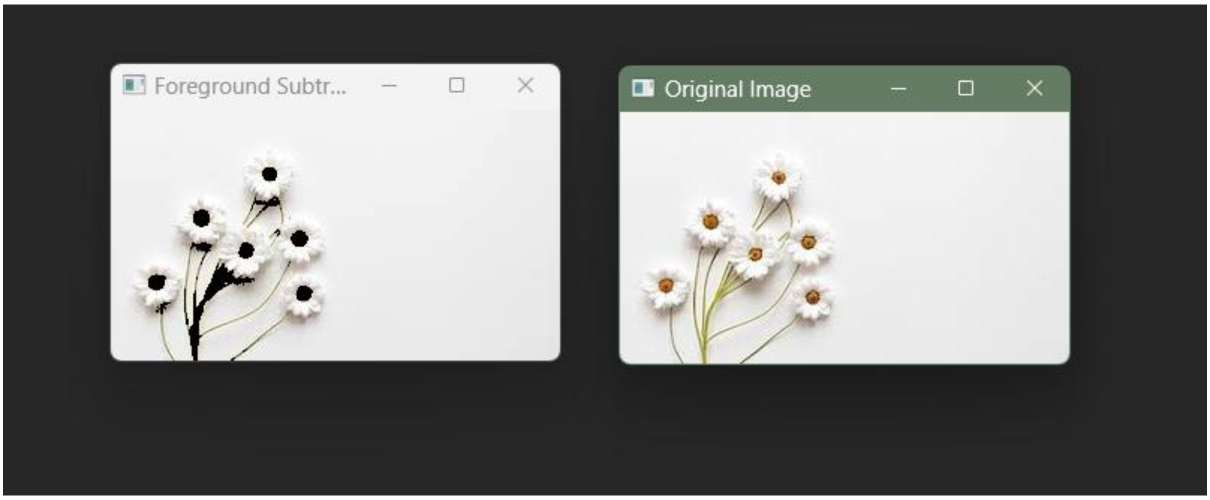
37. Write a Python function to subtract the foreground of the given input image based on color levels using Open CV.

```
import cv2
import numpy as np


def subtract_foreground(image_path, lower_color, upper_color):
    # Read the image
    image = cv2.imread(image_path)
    if image is None:
        raise FileNotFoundError(f"Image not found: {image_path}")

    # Convert to HSV color space
    hsv = cv2.cvtColor(image, cv2.COLOR_BGR2HSV)

    # Define lower and upper range for foreground color
    lower_bound = np.array(lower_color, dtype=np.uint8)
    upper_bound = np.array(upper_color, dtype=np.uint8)

    # Create mask to isolate foreground
    mask = cv2.inRange(hsv, lower_bound, upper_bound)

    # Use the mask to extract only the background (i.e., remove foreground)
    background = cv2.bitwise_and(image, image, mask=cv2.bitwise_not(mask))

    # Display the original and result images
    cv2.imshow("Original Image", image)
    cv2.imshow("Foreground Subtracted Image (Only Background)", background)
    cv2.waitKey(0)
    cv2.destroyAllWindows()

# === Example usage (adjust color range as needed) ===
image_path = r"C:\Users\harik\Downloads\CV LAB\white.jpeg"  # Replace with actual path
lower_color = [0, 50, 50]       # Lower HSV bound for foreground
upper_color = [120, 255, 255]   # Upper HSV bound for foreground

subtract_foreground(image_path, lower_color, upper_color)
```

OUTPUT:


Foreground Subtr...
Original Image