**Practical No. 11**

**Aim:** Write a program to find threshold of grayscale image.

**Program Code:**

import cv2

img = cv2.imread('gray.jpeg', cv2.IMREAD\_GRAYSCALE)

thresh\_value, thresholded\_img = cv2.threshold(img, 0, 255, cv2.THRESH\_BINARY | cv2.THRESH\_OTSU)

import matplotlib.pyplot as plt

plt.figure(figsize=(10, 5))

plt.subplot(1, 2, 1)

plt.imshow(img, cmap='gray')

plt.title('Original Grayscale Image')

plt.axis('off')

plt.subplot(1, 2, 2)

plt.imshow(thresholded\_img, cmap='gray')

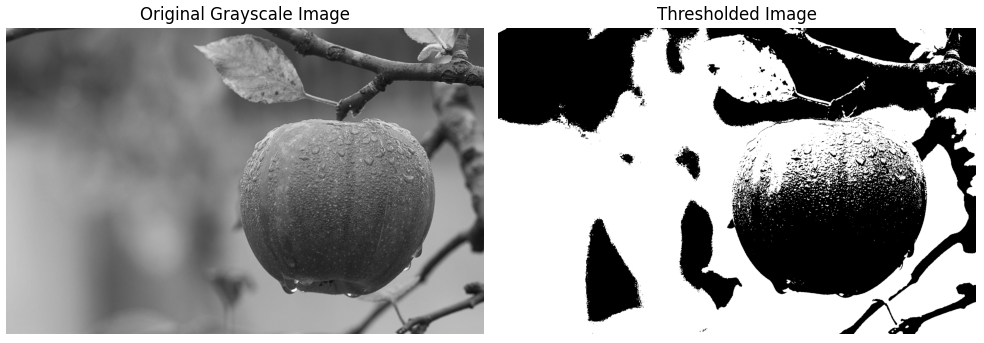
plt.title('Thresholded Image')

plt.axis('off')

plt.tight\_layout()

plt.show()

**Output:**

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