**Practical No. 6**

**Aim:** Program to find the negative of an image.

**Program Code:**

import cv2

image\_path = "photo.jpg"

img = cv2.imread(image\_path)

if img is None:

    raise FileNotFoundError(f"Image not found at {image\_path}")

negative\_img = 255 - img

cv2.imwrite("negative\_photo.jpg", negative\_img)

from matplotlib import pyplot as plt

original\_img = cv2.imread(image\_path)

negative\_img\_to\_display = cv2.imread("negative\_photo.jpg")

original\_img\_rgb = cv2.cvtColor(original\_img, cv2.COLOR\_BGR2RGB)

negative\_img\_rgb = cv2.cvtColor(negative\_img\_to\_display, cv2.COLOR\_BGR2RGB)

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

plt.subplot(1, 2, 1)

plt.imshow(original\_img\_rgb)

plt.title("Original Image")

plt.axis('off')

plt.subplot(1, 2, 2)

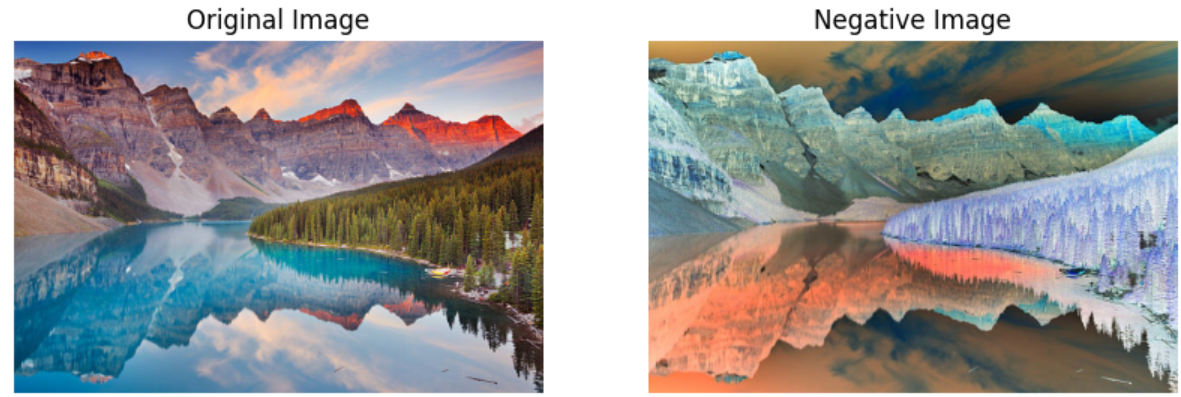
plt.imshow(negative\_img\_rgb)

plt.title("Negative Image")

plt.axis('off')

plt.show()

**Output:**

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