**Practical No. 1**

**Aim:** Program to change the brightness of an image.

**Program Code:**

!pip install opencv-python matplotlib numpy

import cv2

import numpy as np

from google.colab.patches import cv2\_imshow

image=cv2.imread("sample.png")

brightness\_value=45

bright\_image=cv2.convertScaleAbs(image, alpha=1, beta=brightness\_value)

print("Original Image")

cv2\_imshow(image)

print("After Brightening")

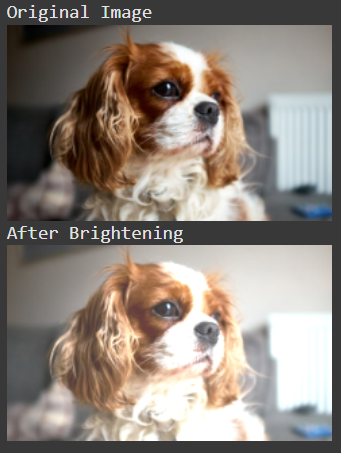
cv2\_imshow(bright\_image)

cv2.waitKey(0)

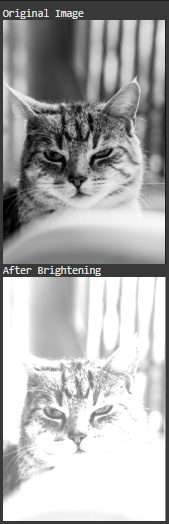
cv2.destroyAllWindows()

**Output:**

1. **For a random coloured image:**

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1. **For a grayscale image:**

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