2)Perform basic Image Handling and processing operations on the image is to read an image in python and Convert an Image to Blur using Gaussian Blur

PROCEDURE:

  Install OpenCV (if not already installed): pip install opencv-python

Import required libraries: Use cv2 for image processing.

Read the image: Use cv2.imread() to load the image.

Apply Gaussian Blur: Use cv2.GaussianBlur() with a specified kernel size.

Display the images: Use cv2.imshow() to show both original and blurred images.

Wait for a key press & close windows: Use cv2.waitKey(0) to keep the image open until a key is pressed.

Use cv2.destroyAllWindows() to close all image windows.

AIM:

To read an image and apply Gaussian Blur using OpenCV in Python.

PROCEDURE:

PROGRAM:

mport cv2

Read the image

image = cv2.imread(r"C:\Users\harik\Downloads\CV LAB\MOUNTAIN.jpeg")

Apply Gaussian Blur

blurred_image = cv2.GaussianBlur(image, (15, 15), 0)

Display the original image

cv2.imshow('Original Image', image)

Display the blurred image

cv2.imshow('Blurred Image', blurred_image)

Wait for a key press and close the windows

cv2.waitKey(0)

cv2.destroyAllWindows()

OUTPUT: