**Blurring and Sharpening**

This code demonstrates different blurring techniques applied to an input image using OpenCV. The image is first loaded, and then Gaussian blur and median blur are applied using the `cv2.GaussianBlur()` and `cv2.medianBlur()` functions, respectively. Finally, sharpening is performed using the `cv2.addWeighted()` function. The original image, Gaussian-blurred image, median-blurred image, and sharpened image are displayed. This code showcases different blurring and sharpening effects that can be applied to images for noise reduction or desired visual enhancements.