COMPUTER VISION WITH OPEN CV

1. INPUT:



OUTPUT:



2. Gaussian blur



3.Outline of an image using canny edge detection

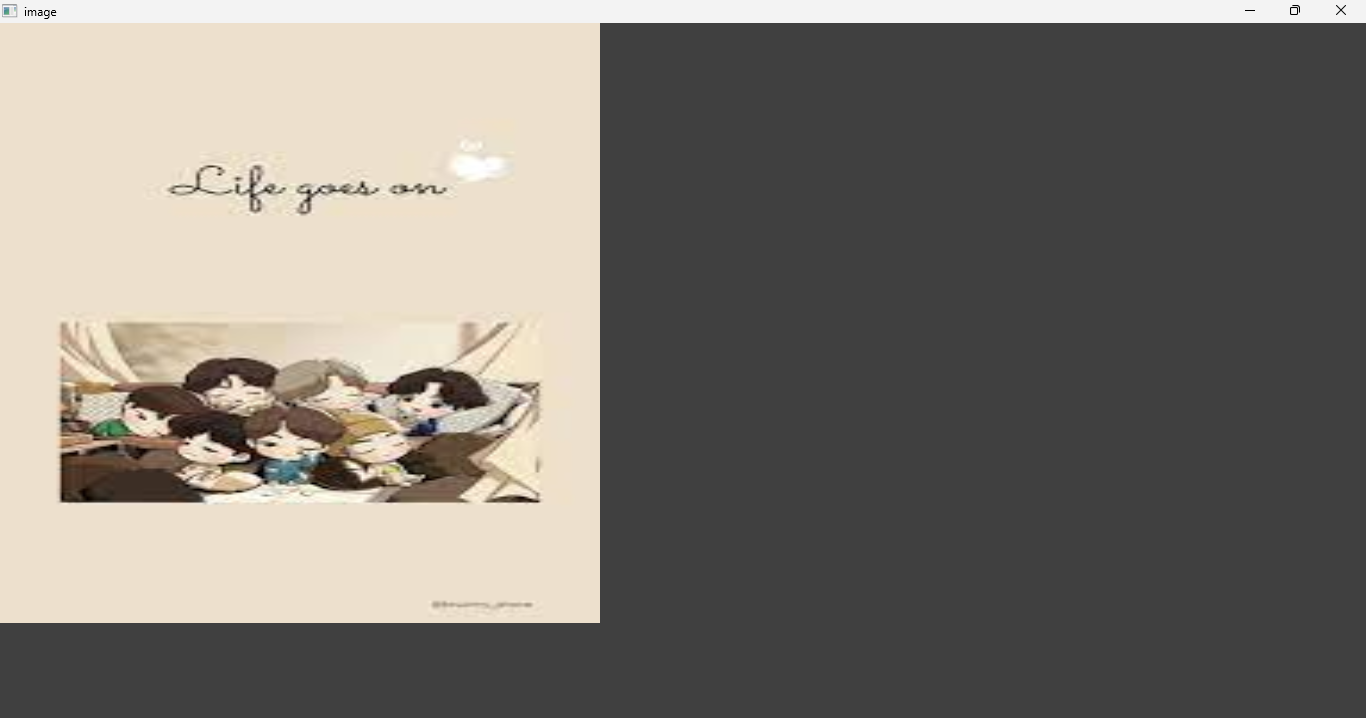


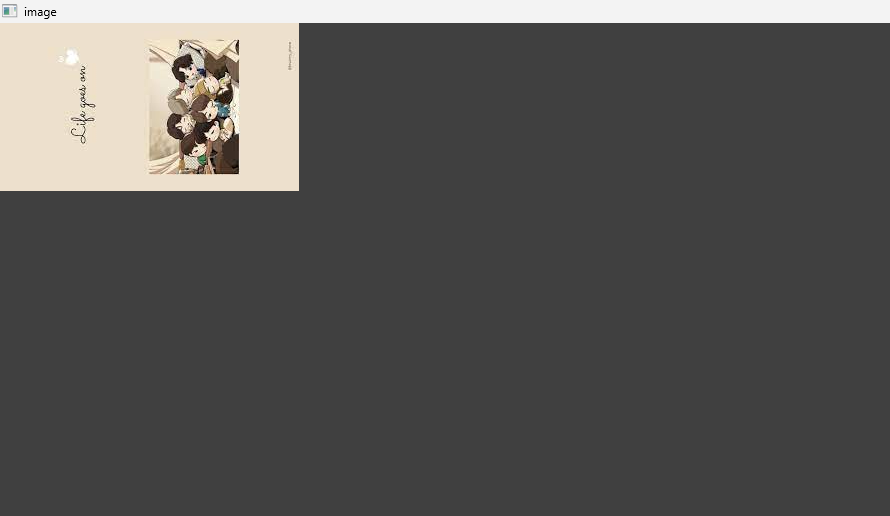
4.Harris corner detection



5. Dilate and Erode of an image

6.Resizing the image



9.270 degree rotation of an image

8.180 Degree rotation of an image



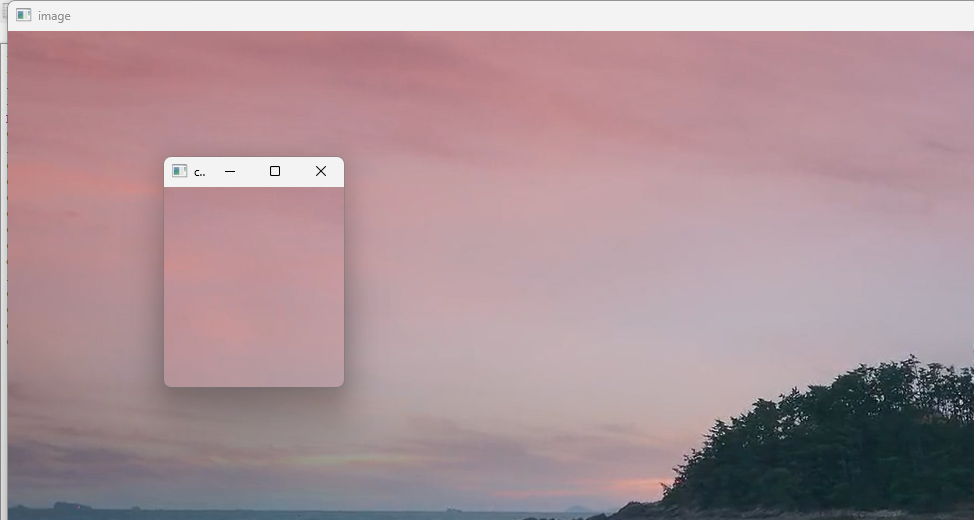
7.90 Degree rotation of an image

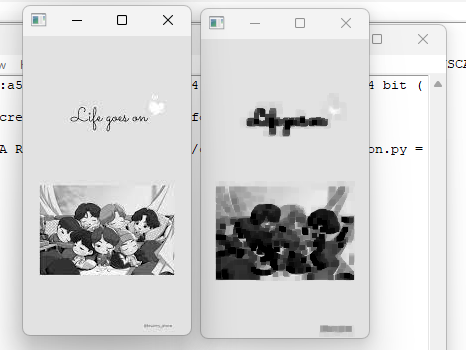
10.Affine Transformation

11.Perspective Transformation

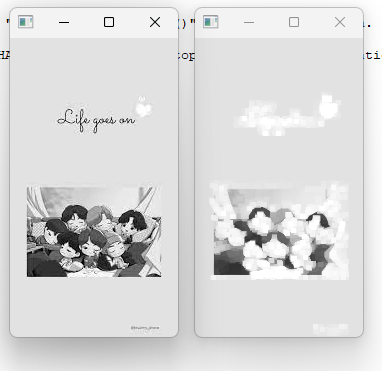


12.Watermarking the image

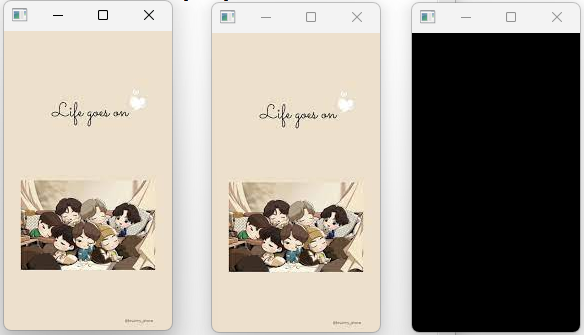
13.Cropping.copying and Pasting

14.Erosion morphological 

15.Dilation



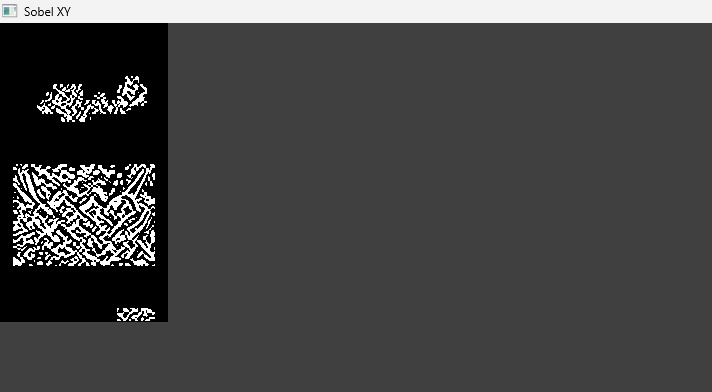
16.Transformation using homography matrix

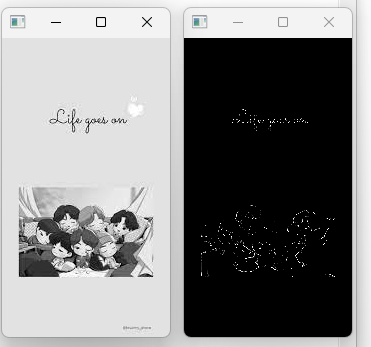


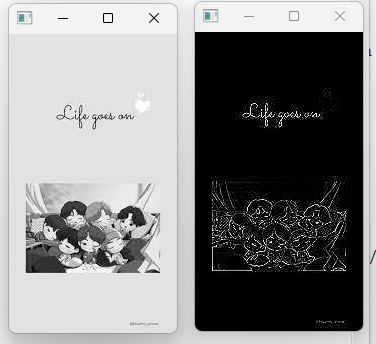
17.Direct linear transformation

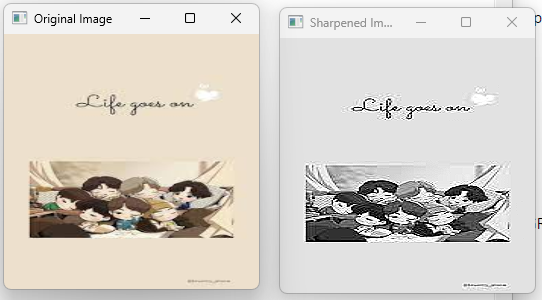
18.Sobel edge detection along X-axis

19.Sobel edge detection along y- axis

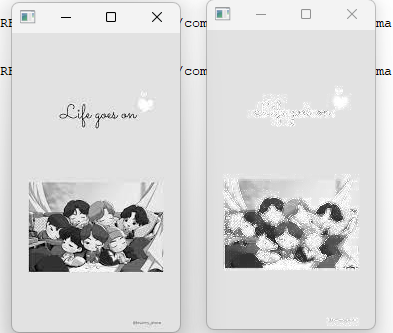
20.Sobel edge detection along xy -axis

21.Laplacian mask with negative center coefficient . 

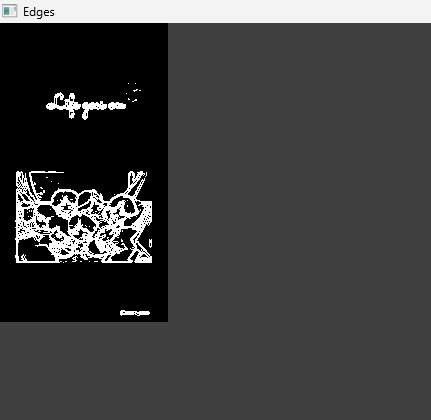
22.Laplacian mask with the extension of diagonal neighbours. 

23.Laplacian mask with positive centre coefficient

24.Image sharpening using unsharp masking



25.Image sharpening using high-boost masking

28.Boundary of an image using convolution kernal

31.Morphological operations using opening technique

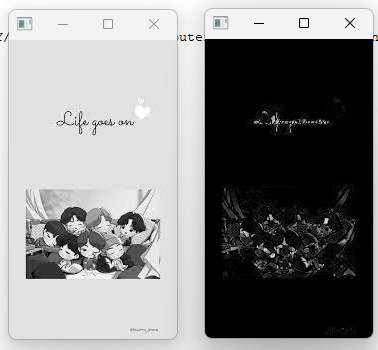
32.Morphological operations using closing technique



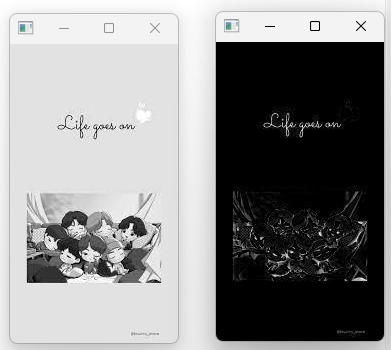
33.Morphological operations using morphological gradienttechnique



34.Top hat technique



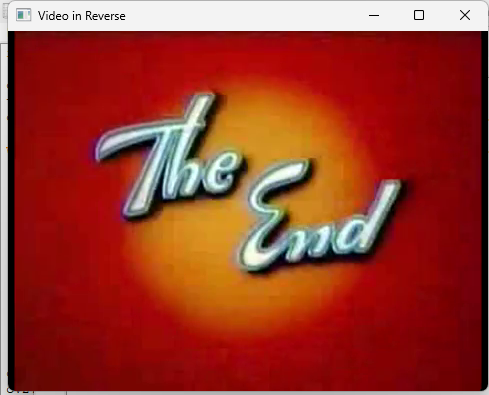
35.Black hat technique



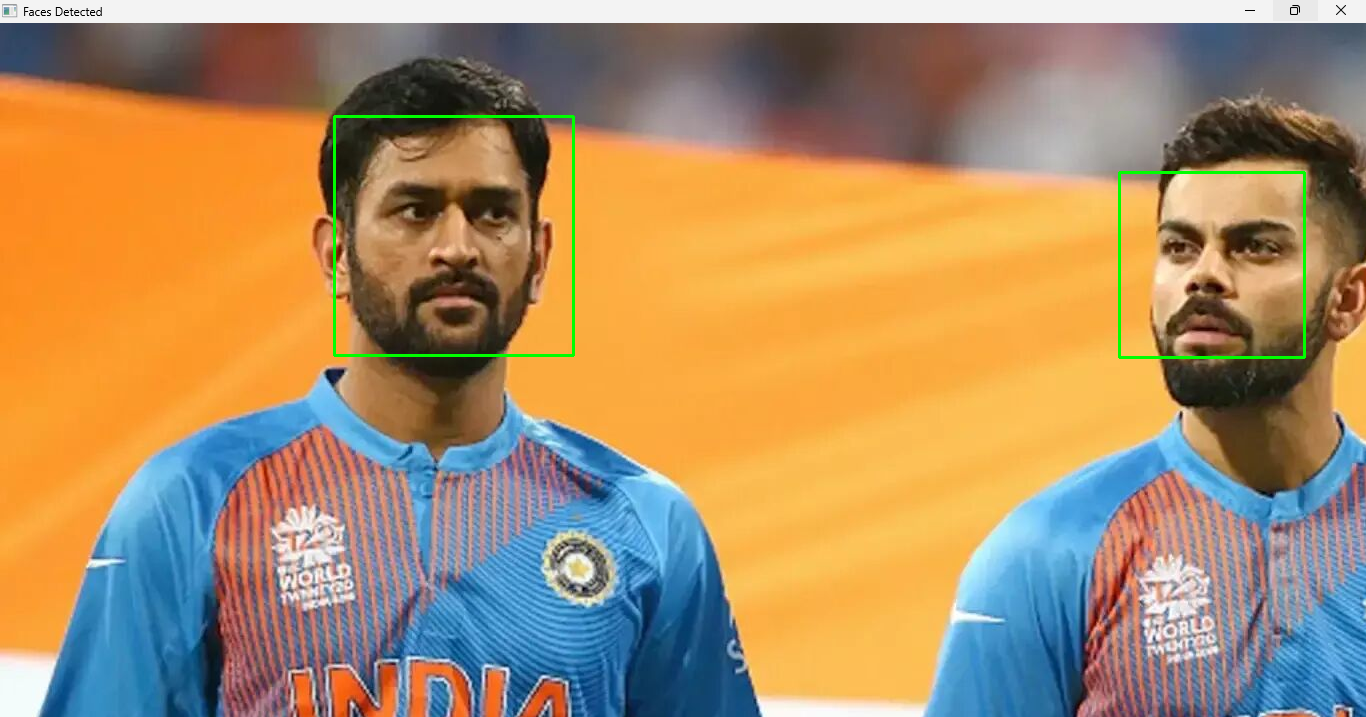
36.Watch recognition using opencv



37.Video in reverse mode



38.face detection using open cv



40.Rectangular shape