1 show

import numpy as np

import cv2

# Load an color image in grayscale

img = cv2.imread('walking.png',-1)

cv2.imshow('image',img)

cv2.waitKey(0)

cv2.destroyAllWindows()

2 write

import numpy as np

import cv2

img = cv2.imread('messi.jpg',1)

cv2.imshow('image',img)

k = cv2.waitKey(0)

if k == 27: # wait for ESC key to exit

cv2.destroyAllWindows()

elif k == ord('s'): # wait for 's' key to save and exit

cv2.imwrite('messigray.png',img)

cv2.destroyAllWindows()

3 matplotlib

import numpy as np

import cv2

from matplotlib import pyplot as plt

img = cv2.imread('messi.jpg',0)

plt.imshow(img, cmap = 'gray', interpolation = 'bicubic')

plt.xticks([]), plt.yticks([]) # to hide tick values on X and Y axis

plt.show()

4 draw

import numpy as np

import cv2 as cv

img = np.zeros((512,512,3), np.uint8)

img[1:100,1:100,1:100]=255

print(img)

cv.imshow('Draw01',img)

cv.waitKey(0)

**5. draw**

import numpy as np

import cv2 as cv

img = np.zeros((512,512,3), np.uint8)

# Draw a diagonal blue line with thickness of 5 px

cv.line(img,(0,0),(511,511),(255,0,0),5)

cv.rectangle(img,(384,0),(510,128),(0,255,0),3)

cv.circle(img,(200,60), 20, (0,0,255), -1)

cv.ellipse(img,(250,250),(100,50),0,0,360,255,-1)

'''

pts = np.array([[10,5],[20,30],[70,20],[50,10]], np.int32)

pts = pts.reshape((-1,1,2))

cv.polylines(img,[pts],True,(0,255,255))

font = cv.FONT\_HERSHEY\_SIMPLEX

cv.putText(img,'OpenCV',(10,500), font, 4,(255,255,255),2,cv.LINE\_AA)

'''

cv.imshow('Draw01',img)

cv.waitKey(0)

**6 add**

import numpy as np

import cv2

x = np.uint8([250])

y = np.uint8([10])

print cv2.add(x,y)

print(x+y)

**7 blend**

import cv2

img1 = cv2.imread('ml.png')

img2 = cv2.imread('opencv-logo.png')

#dst1 =cv2.add(img1,img2)

dst = cv2.addWeighted(img1,0.7,img2,0.3,0)

cv2.imshow('dst',dst)

cv2.waitKey(0)

cv2.destroyAllWindows()