Remember how to load a pic?

image = cv2.imread('pic.jpeg')

then you can do something with it:

gray\_image = cv2.cvtColor(image, cv2.COLOR\_BGR2GRAY)

or

cv2.line(image, (x1, y1), (x2, y2), colors[i], thickness)

here, we want to do something with video, as I said many times before, video is made up of many pictures. If you play game or watch movie, you know what it means by 30fps, 30 pictures one second.

So, in here, we will do:

cap = cv2.VideoCapture(0) #get pictures from cam

while true:

ret, frame = cap.read() #remember, here is a loop, so it will load just one picture ‘frame’ for one time. The ‘ret’ include some information about this picture, just ignore it.

Then you can do anything you want with ‘frame’, the single one picture.

Try to test it

cv2.imshow(‘pic’,frame)

or

gray\_image = cv2.cvtColor(frame, cv2.COLOR\_BGR2GRAY)