

#1 - Reading images and videos

We can import open (V module : import cv2

Step 1: After importing the module, we have to read the image we want to display:

ing = cv2.inread ("pic-jpg")

The matrix of pixels is stored in the variable

Step 2: After storing the matrix, we have to display it

cv 2. imshow ("Window name", img)

(matrix of frixels)

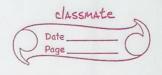
step 3: cv2·waitkey(0)

This is just a keyboard function. This waits for a specific time and waits for a key to get pressed.

0 → infinite time delay

Note: If the dimensions of an image > computer's display resolution, the image is not completely displayed.

* We should resize the image.



Reading videos in opener

video = cv2·videoCapture ('video.mp4')

> method to read video

Here, we need to continuously read a video frame by frame

while True:

done, frame = video.read()

method to read video frame

by frame. Returns — (bool, frame)

CV2. imshow ('Video', frame) # Displaying the frames

if cv2·wait Key (20) & OxFF = ("k"): break

when 'k' will be pressed gloop will break

cv2·waitKey (20) ← allows you to wait for specific time in milliseconds until you press any key on the keyboard.

· Higher the value in waitkey function, lesser the video speed.

video. release () -> release the video pointer

For webcam capture:

video = cv2. videolapture (0) > First camera