import cv2

import pyautogui,time

pyautogui.FAILSAFE = True

face\_cascade = cv2.CascadeClassifier("haarcascade\_frontalface\_default.xml")

rec=cv2.face.LBPHFaceRecognizer\_create()

cap = cv2.VideoCapture(0)

rec.read("trainingData.yml")

# loop runs if capturing has been initialized.

while (True):

# reads frames from a camera

ret, img = cap.read()

# convert to gray scale of each frames

gray = cv2.cvtColor(img, cv2.COLOR\_BGR2GRAY)

# Detects faces of different sizes in the input image

faces = face\_cascade.detectMultiScale(gray, 1.3, 5)

print("No of faces found:",len(faces))

for (x,y,w,h) in faces:

# To draw a rectangle in a face

cv2.rectangle(img,(x,y),(x+w,y+h),(255,255,0),2)

Id,conf=rec.predict(gray[y:y+h,x:x+w])

print("This is id",Id)

if Id == 4:

Id="Anushka"

else:

Id="Jane Doe"

cv2.putText(img, str(Id), (x,y+h), cv2.FONT\_HERSHEY\_COMPLEX\_SMALL, 2.0, (0, 0, 255))

# Display an image in a window

cv2.imshow('img',img)

# Wait for Esc key to stop

k = cv2.waitKey(5)

if k == 27:

break

# Close the window

cap.release()

# De-allocate any associated memory usage

cv2.destroyAllWindows()





