import os import cv2 import numpy as np from PIL import Image recognizer=cv2.face.LBPHFaceRecognizer\_create() def getImagesWithid(path):

#get the path of all the files in the folder

imagePaths=[os.path.join(path,f) for f in os.listdir(path)]

#create empth face list

faces=[]

#create empty ID list

IDs=[]

for imagePath in imagePaths:

faceImg= Image.open(imagePath).convert(“L”);

faceNp=np.array( faceImg,‘uint8’)

id=int(os.path.split(imagePath)[-1].split(“.”)[1])

faces.append(faceNp)

IDs.append(id)

cv2.imshow(“training”,faceNp)

cv2.waitKey(10)

return IDs,faces Ids,faces=getImagesWithid(“dataSet”) recognizer.train(faces,np.array(Ids)) recognizer.write(“recognizer/trainingData.yml”) cv2.destroyAllWindows()