import cv2 #import numpy as np face\_cascade=cv2.CascadeClassifier(r”C:\ProgramData\Anaconda3\Library\etc\haarcascades\haarcascade\_frontalface\_default.xml”); cam = cv2.VideoCapture(0) id= input(“enter your id: “) sampleNum=0 while(True):

ret, img = cam.read();

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

faces = face\_cascade.detectMultiScale(gray, 1.2, 5);

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

sampleNum=sampleNum+1;

cv2.imwrite(“dataSet/User.”+id +’.’+ str(sampleNum) + “.jpg”, gray[y:y+h,x:x+w])

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

cv2.waitKey(100);

cv2.imshow(“Face”,img);

cv2.waitKey(1);

if (sampleNum>20):

break cam.release() cv2.destroyAllWindows()