DETECT_FACES_HAAR.PY

```
faceCascade = cv2.CascadeClassifier(
    CASCADE_DIR+'haarcascade_frontalface_default.xml'
)

cap = cv2.VideoCapture(0)
while True:
    ret, frame = cap.read()
    gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)

    faces = faceCascade.detectMultiScale(
        gray, scaleFactor=1.1, minNeighbors=5, minSize=(30, 30)
    )

    # Draw a rectangle around the faces
    for (x, y, w, h) in faces:
        cv2.rectangle(frame, (x, y), (x+w, y+h), (0, 255, 0), 2)
    cv2.imshow('Test', frame)

    if cv2.waitKey(1) & 0xFF == ord('q'):
        break

cap.release()
```

ДРУГИЕ КАСКАДЫ

В ПАПКЕ DATA ПАКЕТА OPENCV

```
haarcascade_eye.xml
haarcascade_eye_tree_eyeglasses.xml
haarcascade_frontalcatface.xml
haarcascade_frontalcatface_extended.xml
haarcascade_frontalface_alt.xml
haarcascade_frontalface_alt2.xml
haarcascade_frontalface_alt_tree.xml
haarcascade_frontalface_default.xml
haarcascade_fullbody.xml
haarcascade_lefteye_2splits.xml
haarcascade_licence_plate_rus_16stages.xml
haarcascade_lowerbody.xml
haarcascade_profileface.xml
haarcascade_righteye_2splits.xml
haarcascade_russian_plate_number.xml
haarcascade_smile.xml
haarcascade_upperbody.xml
```