

3rd task

TASK:

**Use OpenCV to make a real time face
detection**

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Steps:

- First I download python and for the IDE I used VSCode
- Then in VS use command

```
Import cv2
```

```
Faces = cv2.CascadeClassifier("haarcascades\haarcascade_frontalface_alt.xml")
```

```
Img = cv2.imread("images/girl.jpg")
```

```
Img_gray = cv2.cvtColor(img,cv2.COLOR_BGR2GRAY)
```

```
Detections = faces.detectMultiScale(img_gray,scaleFactor=1.1,minNeighbors=6)
```

```
For (x,y,w,h) in detections :
```

```
    Cv2.rectangle(img,(x,y),(x+w,y+h),(0,255,0),2)
```

```
Cv2.imshow('output',img)
```

```
Cv2.waitKey(0) run the file.
```

Results:

