1) Import Libraries

2) Import Image

3) Convert it into Grayscale

4) Open ‘xml’ file

```
haar_cascade =
cv2.CascadeClassifier('/content/haarcascade_profileface.xml')
```

5) Detect the target:

```
team_face_rec = haar_cascade.detectMultiScale(team_grayscale_img,
scaleFactor = 1.1, minNeighbors = 1)
print(f'There are {len(team_face_rec)} human faces in the given image.')
```

ScaleFator : 1.05 ~ 1.20 is normal.
minNeighbor : 3 ~ 6 normal.

6) Print the result

```
for (x, y, w, h) in cat_face_rect:
   cv2.rectangle(cat_img, (x,y), (x+w,y+h), (0,255,0), thickness = 2)

cv2_imshow(cat_img)
```

More about HaarCAscade : *https://pyimagesearch.com/2021/04/12/opencv-haar-cascades/*