Task 3

Run the face recognition or detection example

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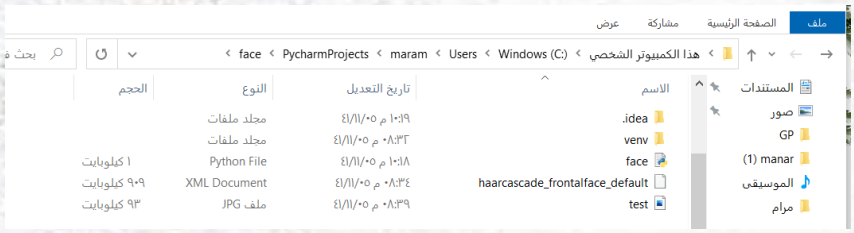
Run the face recognition or detection example

1-Dawonlioad the library OpenCV python

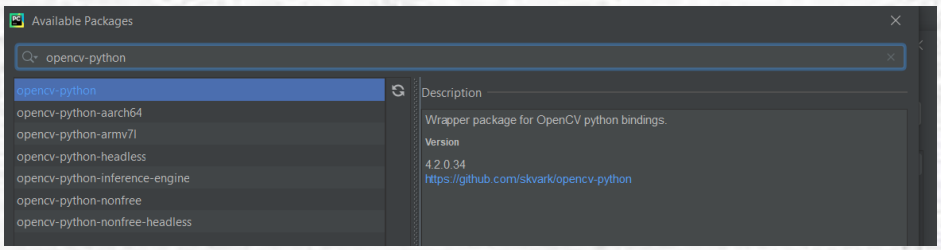
2-Go to https://github.com/opencv/opencv/tree/master/data/haarcascades

3-Save the file in the folder my project haarcascade_frontalface_default.xml

3-Save image in the same folder



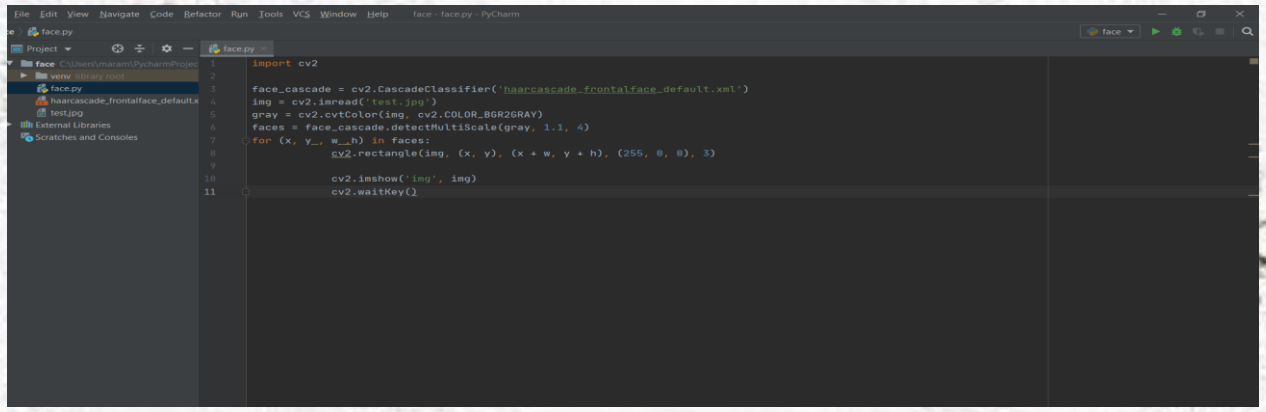
4-Go to PyCharm >file>setting>Project>Project Interpreter>chose OpenCV-python >Install Packages



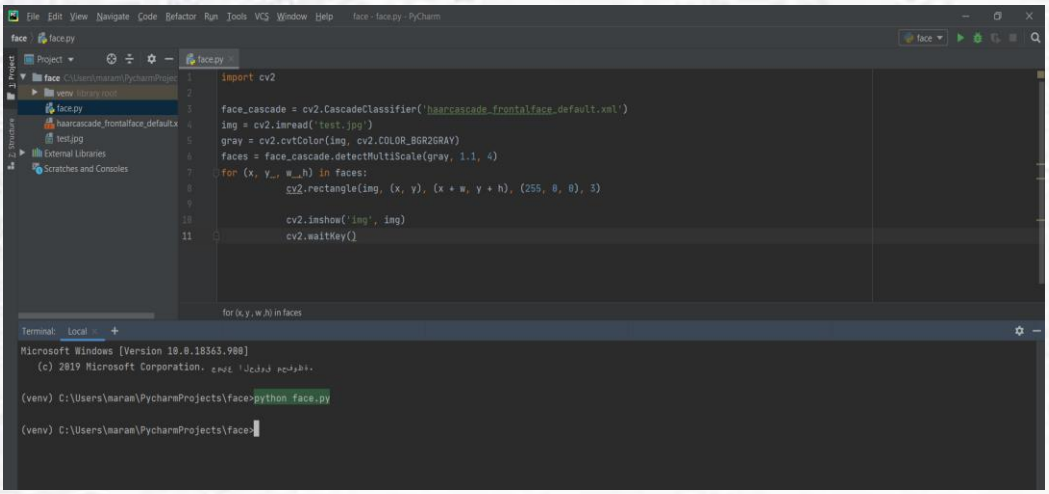
Write the code

```
import cv2

face_cascade = cv2.CascadeClassifier('haarcascade_frontalface_default.xml')
img = cv2.imread('test.jpg')
gray = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY)
faces = face_cascade.detectMultiScale(gray, 1.1, 4)
for (x, y , w ,h) in faces:
            cv2.rectangle(img, (x, y), (x + w, y + h), (255, 0, 0), 3)

            cv2.imshow('img', img)
            cv2.waitKey()
```

Output



Write in Terminal name of project.py



The Result