Practical 2

Program:

```
import cv2

# Load the cascade
face_cascade = cv2.CascadeClassifier('haarcascade_frontalface_default.xml')
# Read the input image
img = cv2.imread('3.jpg')
# Convert into grayscale
gray = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY)
# Detect faces
faces = face_cascade.detectMultiScale(gray, 1.3, 10)
# Draw rectangle around the faces
for (x, y, w, h) in faces:
    cv2.rectangle(img, (x, y), (x+w, y+h), (0, 255, 0), 2)
# Display the output
cv2.imshow('img', img)
cv2.waitKey()
```

Output:

```
python facedetection.py 3.jpg  haarcascade_frontalface_default.xml
python facedetection.py 4.jpg  haarcascade_frontalface_default.xml
```