

```
1 # import the necessary packages
2 import cv2
3
4 cap = cv2.VideoCapture(0)
5 faceCascade = cv2.CascadeClassifier(r"C:\Users\rkssp\Desktop\TEF0logic PROJECTS\face blur\haarcascade_frontalface_default.xml")
6 faceCascade = cv2.CascadeClassifier(cv2.data.haarcascades + 'haarcascade_frontalface_default.xml')
7
8
9
10 while True:
11     success,img = cap.read()
12     faces = faceCascade.detectMultiScale(img,1.2,4)
13     for (x, y, w, h) in faces:
14         # To make a face blurred
15         ROI = img[y:y+h, x:x+w]
16         blur = cv2.GaussianBlur(ROI, (91,91),0)
17         # Insert ROI back into image
18         img[y:y+h, x:x+w] = blur
19
20         # To make a bounding box #(Not Necessary)
21         # cv2.rectangle(img,(x,y),(x+w,y+h),(0,255,0),4)
22     if len(faces) == 0:
23         cv2.putText(img,'No Face Found!',(20,50),cv2.FONT_HERSHEY_COMPLEX,1,(0,0,255))
24     cv2.imshow('Face Blur',img)
25     if cv2.waitKey(1) & 0xFF==ord('q'):
26         break
27     # Turn camera off
28 cap.release()
29 # Close camera window
30 cv2.destroyAllWindows()
```