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# Importing the libraries
import cv2

#add packages
face_cascade = cv2.CascadeClassifier(r"C:\Users\prasu\Downloads\Datascience\CV2\13th- intro to c
eye_cascade = cv2.CascadeClassifier(r"C:\Users\prasu\Downloads\Datascience\CV2\13th- intro to cv
#you can change file directory brfore you run file

# Defining a function that will do the detections
def detect(gray, frame):
    faces = face_cascade.detectMultiScale(gray, 1.3, 5)
    for (x, y, w, h) in faces:
        cv2.rectangle(frame, (x, y), (x+w, y+h), (255, 0, 0), 2)
        roi_gray = gray[y:y+h, x:x+w]
        roi_color = frame[y:y+h, x:x+w]
        eyes = eye_cascade.detectMultiScale(roi_gray, 1.1, 3)
        for (ex, ey, ew, eh) in eyes:
            cv2.rectangle(roi_color, (ex, ey), (ex+ew, ey+eh), (0, 255, 0), 2)
    return frame

# Doing some Face Recognition with the webcam
video_capture = cv2.VideoCapture(0)

while True:
    _, frame = video_capture.read()
    gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)
    canvas = detect(gray, frame)
    cv2.imshow('Video', canvas)

    if cv2.waitKey(1) & 0xFF == ord('q'):
        break

video_capture.release()
cv2.destroyAllWindows()

```