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# Load Haar Cascade for face detection

face_cascade = cv2.CascadeClassifier(
    cv2.data.haarcascades + "haarcascade_frontalface_default.xml"
)

# Start webcam

cap = cv2.VideoCapture(0)

while True:

    ret, frame = cap.read()

    if not ret:
        break

    # Convert to grayscale

    gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)

    # Detect faces

    faces = face_cascade.detectMultiScale(
        gray,
        scaleFactor=1.1,
        minNeighbors=5,
        minSize=(30, 30)
    )

    # Draw rectangle around faces

    for (x, y, w, h) in faces:
        cv2.rectangle(frame, (x, y), (x+w, y+h), (0, 255, 0), 2)

    cv2.imshow("Face Detection", frame)

    # Press 'q' to quit

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

`break`

`cap.release()`

`cv2.destroyAllWindows()`