In [10]:

```
import cv2
import time

video_path = "D:\\curneu\\DS-IQ-002-ObjectDetect-Video.mp4"
window_name = f"Detected Objects in {video_path}"
video = cv2.VideoCapture(video_path)

while True:

    ret, frame = video.read()

    if not ret:
        break
    cv2.namedWindow(window_name, cv2.WINDOW_NORMAL)
    cv2.imshow(window_name, frame)
    if cv2.waitKey(1) == 27:
        break

    time.sleep(1/30)

video.release()
cv2.destroyAllWindows()
```

In [11]:
```
import cv2
import time

video_path = "D:\\curneu\\DS-IQ-002-ObjectDetect-Video.mp4"
window_name = f"Detected Objects in {video_path}"
video = cv2.VideoCapture(video_path)

while True:

    ret, frame = video.read()

    if not ret:
        break
    cv2.namedWindow(window_name, cv2.WINDOW_NORMAL)

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

    cascade_classifier = cv2.CascadeClassifier("D:\\curneu\\cars\\cars.xml")

    detected_objects = cascade_classifier.detectMultiScale(
        image, minSize=(50, 50))

    if len(detected_objects) != 0:
        for (x, y, height, width) in detected_objects:
            cv2.rectangle(
                frame, (x, y), ((x + height), (y + width)), (0, 255, 0), 15)

    cv2.imshow(window_name, frame)

    if cv2.waitKey(1) == 27:
        break

video.release()
cv2.destroyAllWindows()
```

In [ ]: