```
#import libraries of python opencv
import cv2
import numpy as np
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BOARD)
GPIO.setup(7,GPIO.OUT)
#create VideoCapture object and read from video file
cap = cv2.VideoCapture('cars.mp4')
#use trained cars XML classifiers
car_cascade = cv2.CascadeClassifier('cars.xml')
#read until video is completed
while True:
   #capture frame by frame
   ret, frame = cap.read()
   #convert video into gray scale of each frames
   gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)
   #detect cars in the video
   cars = car_cascade.detectMultiScale(gray, 1.1, 3)
 #to draw arectangle in each cars
   for (x,y,w,h) in cars:
      cv2.rectangle(frame,(x,y),(x+w,y+h),(0,255,0),2
   #to give the signal
   GPIO.output(7,True)
   time.sleep(10)
```

```
GPIO.output(7,False)

time.sleep(10)

GPIO.cleanup()
```