In [1]:
```
import cv2
import time
import numpy as np
```

In [3]:
```
# Create our body classifier
car_classifier = cv2.CascadeClassifier(r"C:\Users\SAIF SHAIK\Downloads\opencv\openc
```

In [5]:
```
# Initiate video capture for video file
cap = cv2.VideoCapture(r"C:\Users\SAIF SHAIK\OneDrive\Videos\Captures\Cars_video.mp
```

In [7]:
```
# Loop once video is successfully loaded
while cap.isOpened():

    time.sleep(.05)
    # Read first frame
    ret, frame = cap.read()
    gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)

    # Pass frame to our car classifier
    cars = car_classifier.detectMultiScale(gray, 1.4, 2)

    # Extract bounding boxes for any bodies identified
    for (x,y,w,h) in cars:
        cv2.rectangle(frame, (x, y), (x+w, y+h), (0, 255, 255), 2)
        cv2.imshow('Cars', frame)

    if cv2.waitKey(1) & 0xFF == ord('q'): #13 is the Enter Key
        break
```

In [8]:
```
cap.release()
cv2.destroyAllWindows()
```