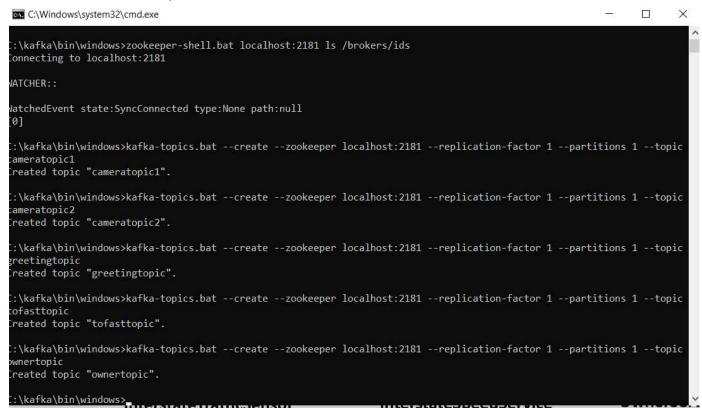
Subject	SWA - CS590
Assignment	Lab 13
Date	9/25/2021
Students	Vo Ngoc Huy Nguyen - 611066
Professor	Rene de Jong

## Lab Assignment 13: EDA

## **Exercise: Kafka with CameraTopic**

## Start kafka and added topics:



InterstateSpeedService: to detect which car has over limit speed

```
sending to topic:cameratopic1 1 FB1000
sending to topic:cameratopic1 1 FG1000
    sending to topic:cameratopic1
sending to topic:cameratopic1
sending to topic:cameratopic1
sending to topic:cameratopics
sending to topic:cameratopic1
sending to topic:cameratopic1
                                                                         1 BB1000
                                                                         1 EE1000
    sending to topic:cameratopic1
                                                                         1 AA1000
                                                                         1 FF1000
1 FBS1000
1 FGS1000
1 BS1000
                                                                          1 CS1000
 🥏 workspace-spring-tool-suite-4-4.11.0.RELEASE_2 - InterstateTrafficSensor/src/main/java/kafka/InterstateSpeedService.java - Spring Tool Suite 4
 Eile Edit Source Refactor Navigate Search Project Run Window Help
 🖺 Package Explorer 🗵 🕒 🕏 💲 a 🗆 🗓 Senderjava 🗓 Sensorjava 🖟 Sensorjava 🖟 SensoriRecord... 🖟 TrafficSenso... 🖟 InteristateSp... 🗵 🖒 SpeedCalcula... 🖟 SpeedRecord... "%
                                                                                                                                                                                                                                                                                                                                                                                                                 □ BE Ou
                                                                                                                       package kafka;
                                                                                                                                                                                                                                                                                                                                                                                                                 ^ ■ I<sup>4</sup>2
     6 Other Projects
    ₺ lab10
     lab11
                                                                                                                      ##import org.springframework.beans.factory.annotation.Autowired;
                                                                                                                                                                                                                                                                                                                                                                                                                          v O

√ å lab13

                                                                                                                        @Service
public class InterstateSpeedService {

∨ III InterstateTrafficSensor [boot]

→ 

ß src/main/java

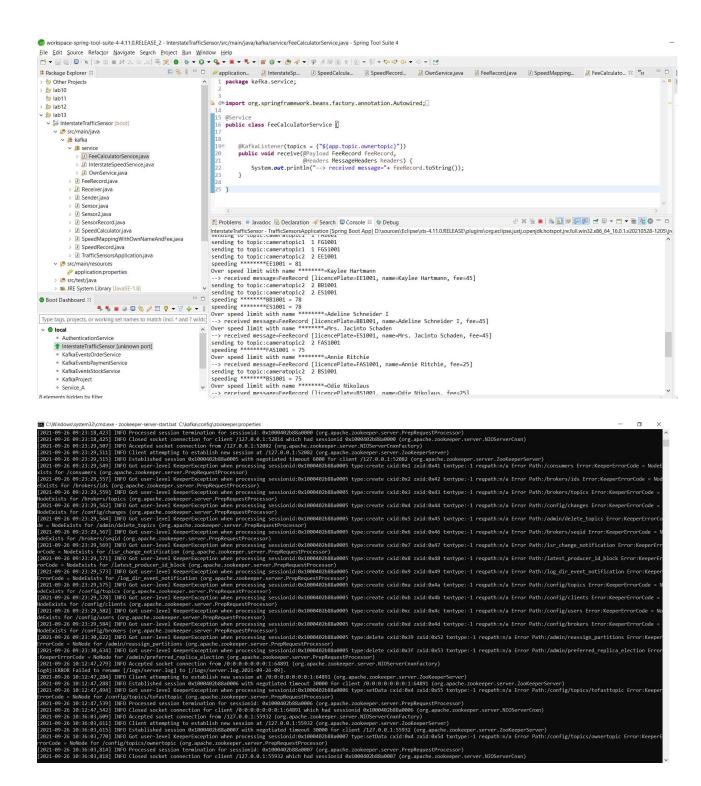
              ∨ 🔠 kafka
                    > 🔝 InterstateSpeedService.java
> 🚇 OwnService.java
                                                                                                                                 SpeedCalculator speedCalculator;
                                                                                                                                > / Receiver.java
                   > 🗓 Sender.java
> 🗓 Sensor.java
                    >  Sensor2.iava
                    > ① SpeedRecord.java
> ② TrafficSensorsApplication.java
                                                                                                                                application properties
           > @ src/test/java

    ■ JRE System Library [JavaSE-1.8]
              Maven Dependencies
Problems @ Javadoc @ Declaration / Search @ Console & Debug

Interstate Traffic Sensor - Tr
              target
```

InterstateTrafficSensor - TrafficSensorsApplication [Spring Boot App] D\sources\Eclipse\sts-4.11.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_16.0.1.v20210528-1205\jre\bin\javaw.exe (Sep 26, 2021, 10:32:15 AM)

Display name which violent speed limit:
 And fee information



Please refer attached codes for more details.