Springboot: Kafka products producer and consumer application

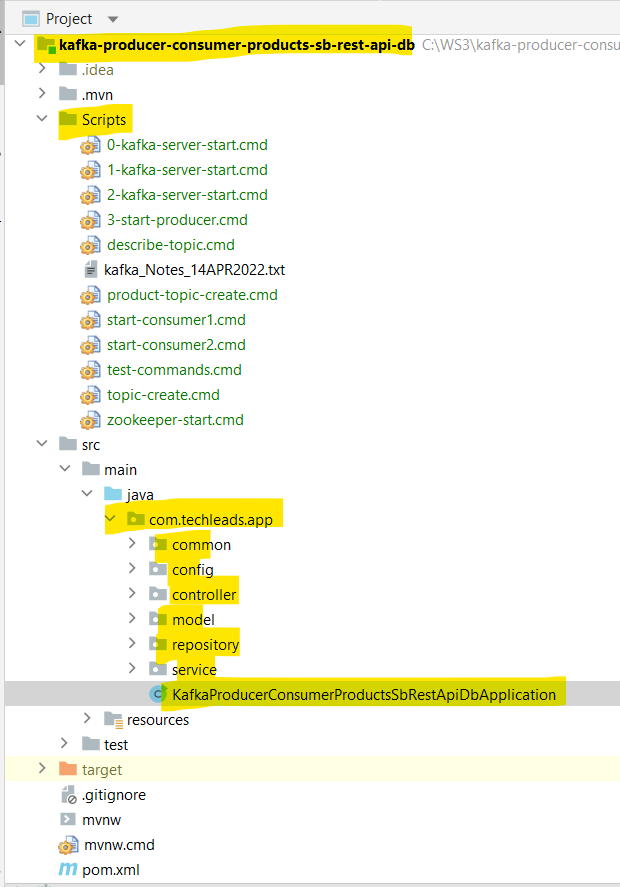
Overview:

* Kafka producer sends list of products to a topic named: **productsTopic**
* Before sending product to the topic, it is check if the product is already present in database
* Source data for kafka producer is a Rest API
* Two consumers subscribeto a topic named: **productsTopic** with group name**: my\_products\_group1**
* I used consumer group to distribute the load
* After consuming the product save it in mysql database

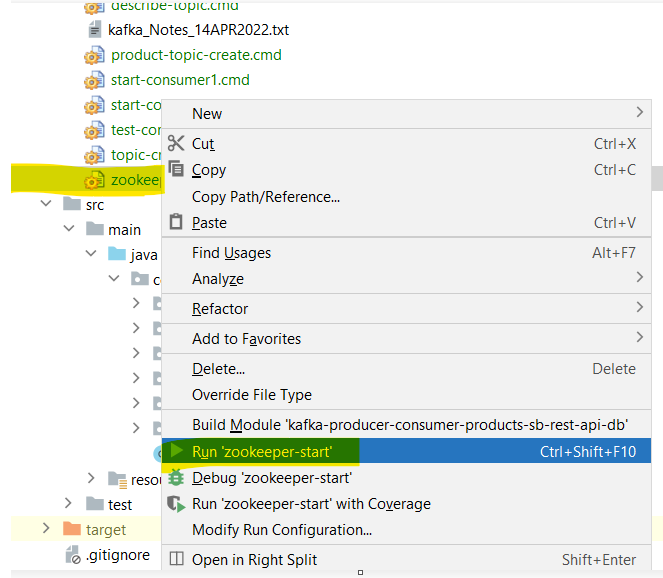
Steps to demonstrate this kafka application:

IDE: IntelliJ, (I find it easy for running the scrips batch files as this IDE supports .cmd files execution)

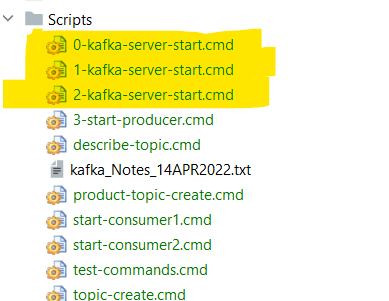
Project structure:



**Start zookeeper server**

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**Similarly start 3 kafka servers**

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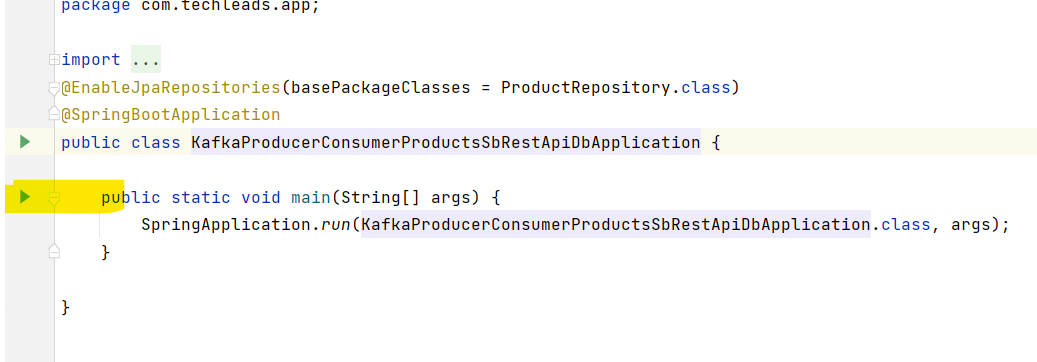
**Now create the topc**

*%CONFLUENT\_HOME%*\bin\windows\kafka-topics.bat --create --topic productsTopic --partitions 3 --replication-factor 3 --bootstrap-server localhost:9092

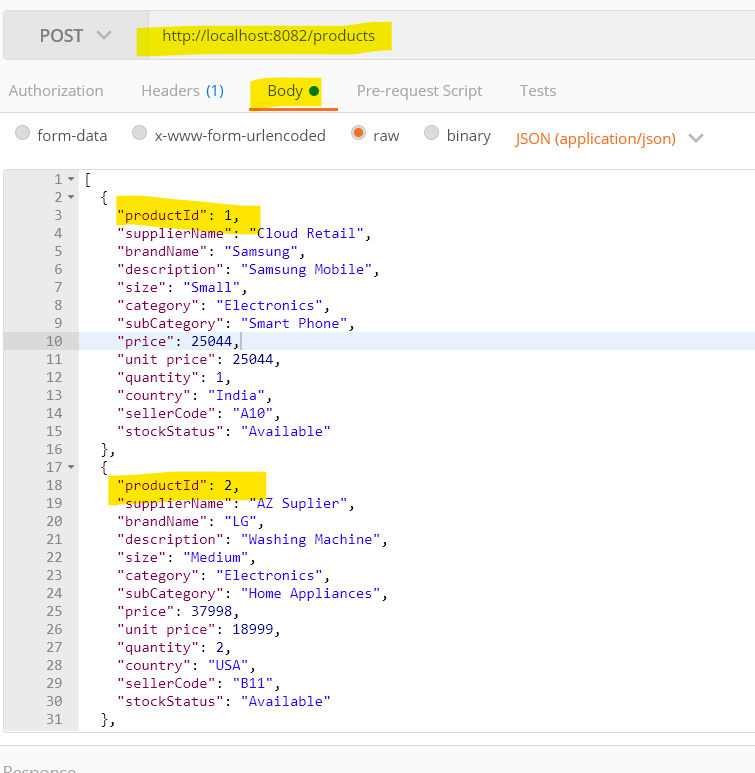
**Now start two consumers**

1. *%CONFLUENT\_HOME%*\bin\windows\kafka-console-consumer.bat --bootstrap-server localhost:9092 --topic productsTopic --from-beginning --group **my\_products\_group1**
2. *%CONFLUENT\_HOME%*\bin\windows\kafka-console-consumer.bat --bootstrap-server localhost:9092 --topic productsTopic --from-beginning --group **my\_products\_group1**

**Now start the producer java application**

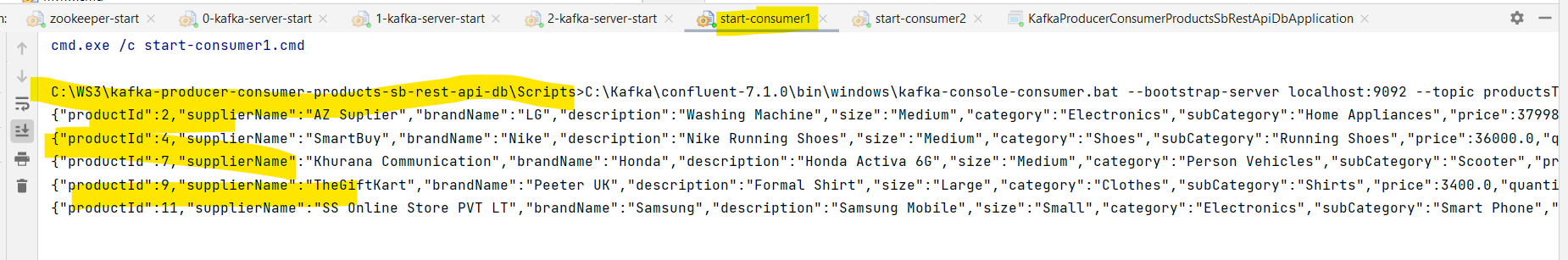
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**Send list of 100 products to kafka producer from a rest API**

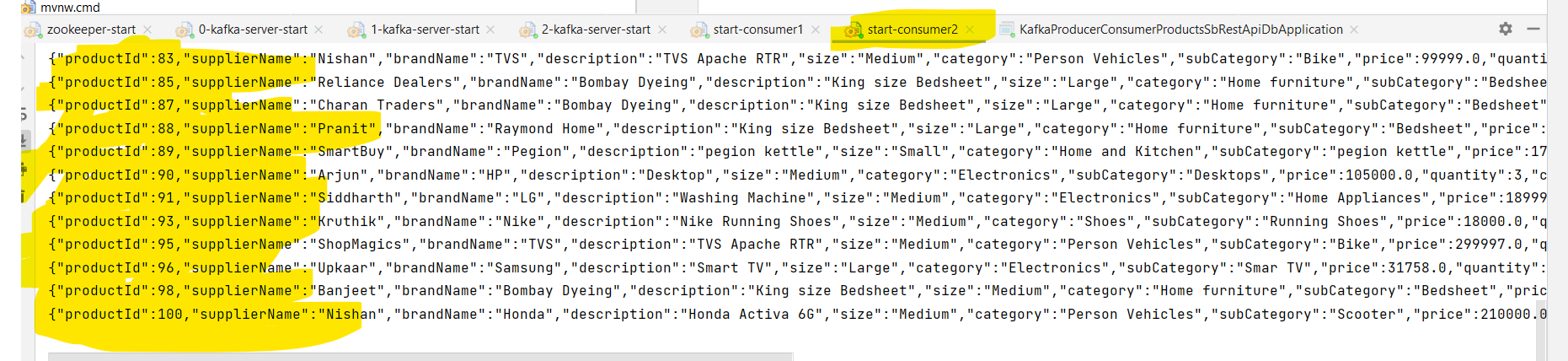
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**Now check the consumers:**

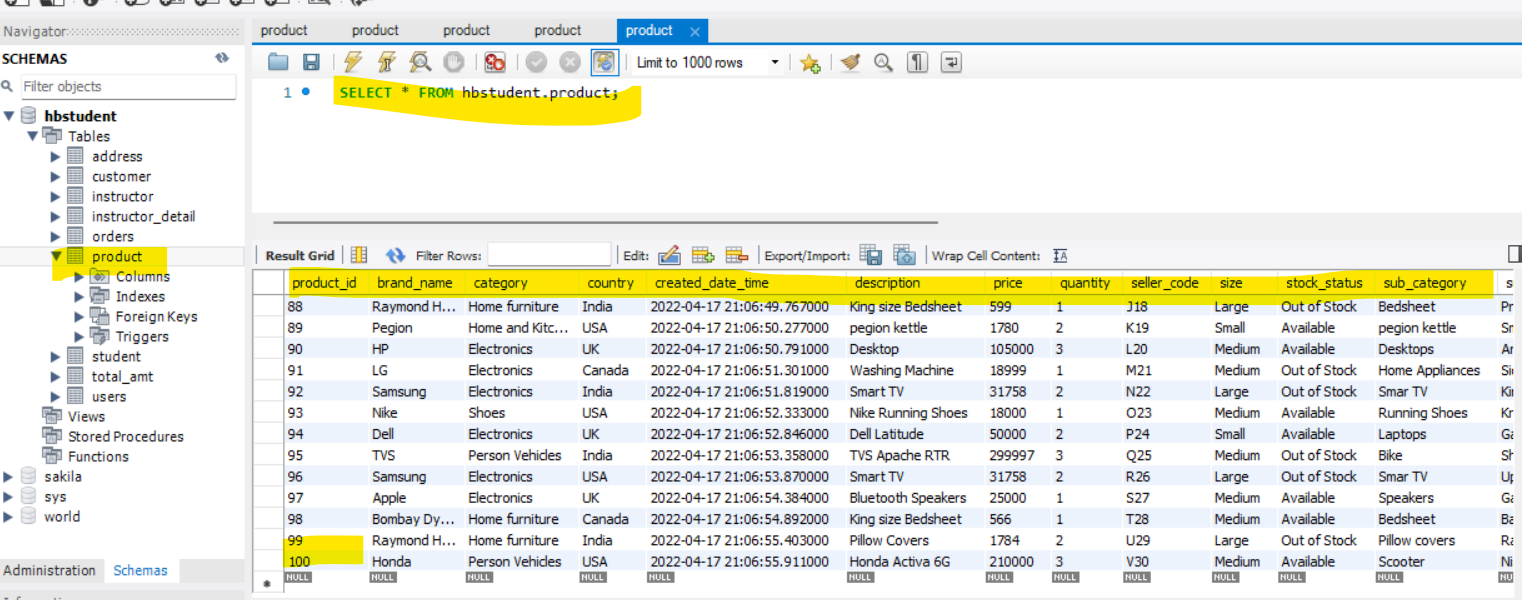
**Consumer-1**

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**Consumer-2**

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**Now check if the products are saved in mysql database**

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