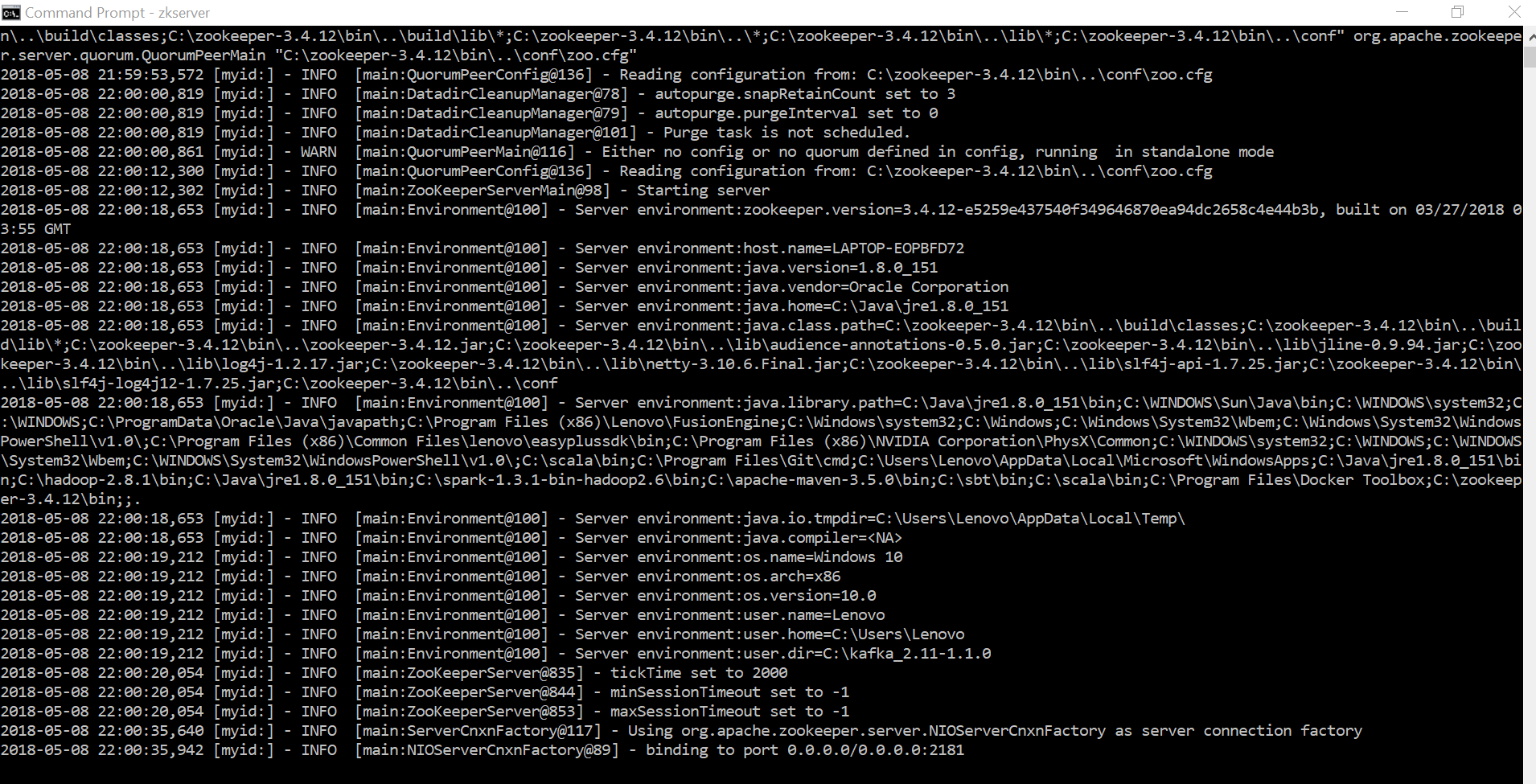
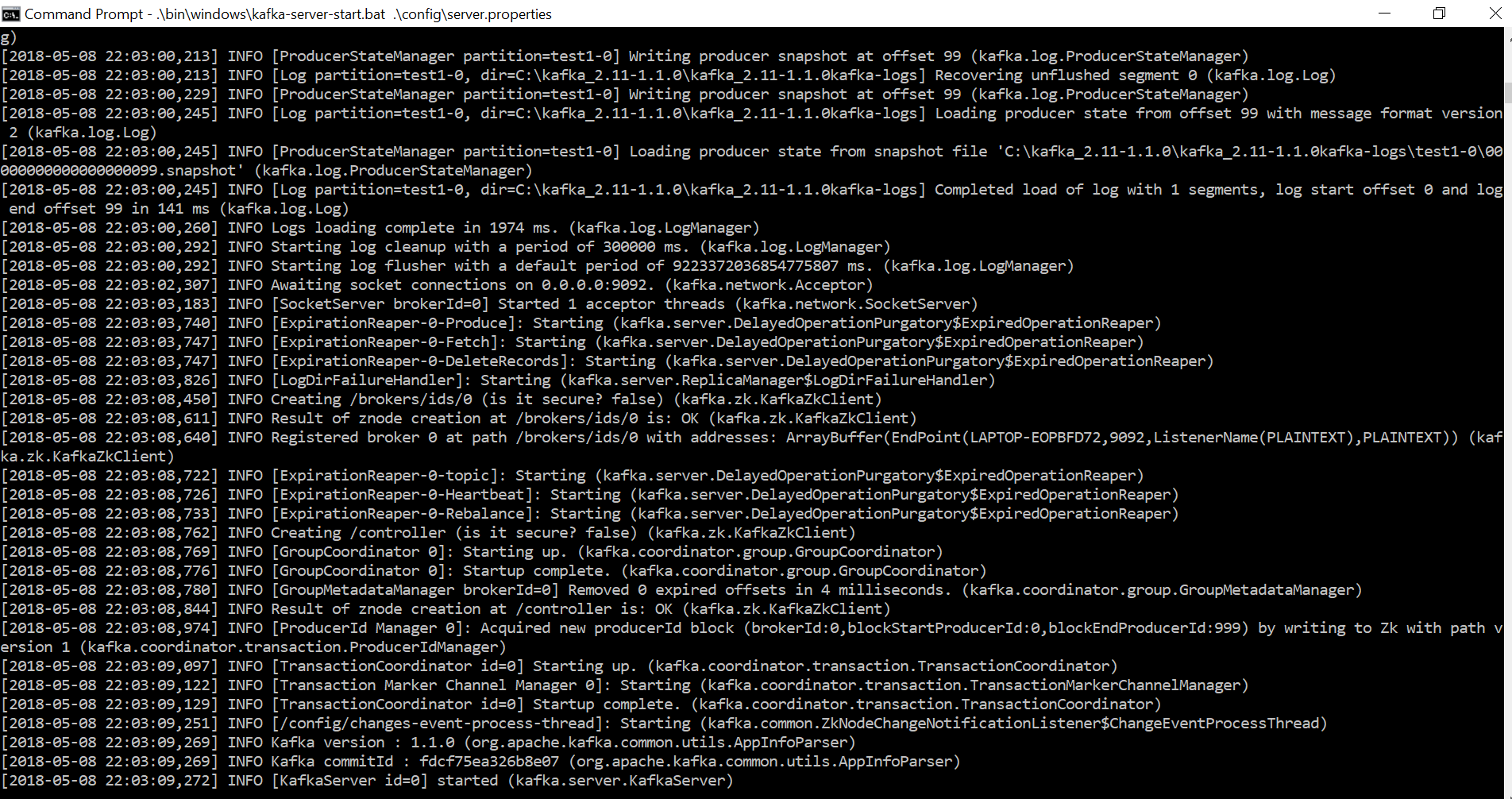
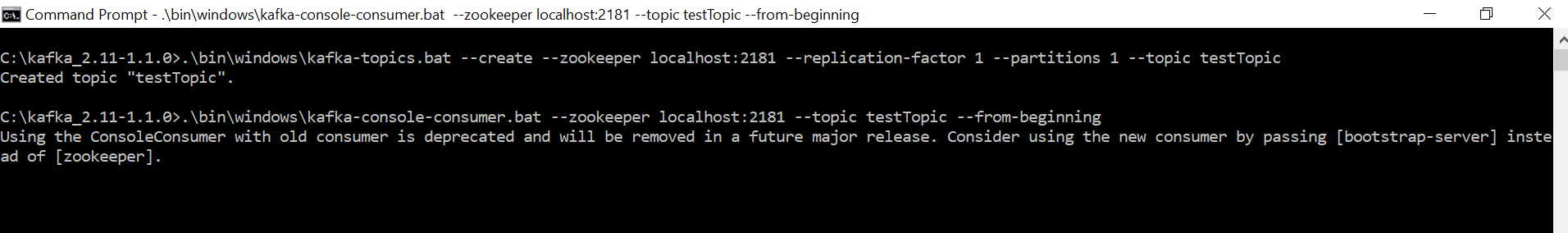
Starting Zookeeper:



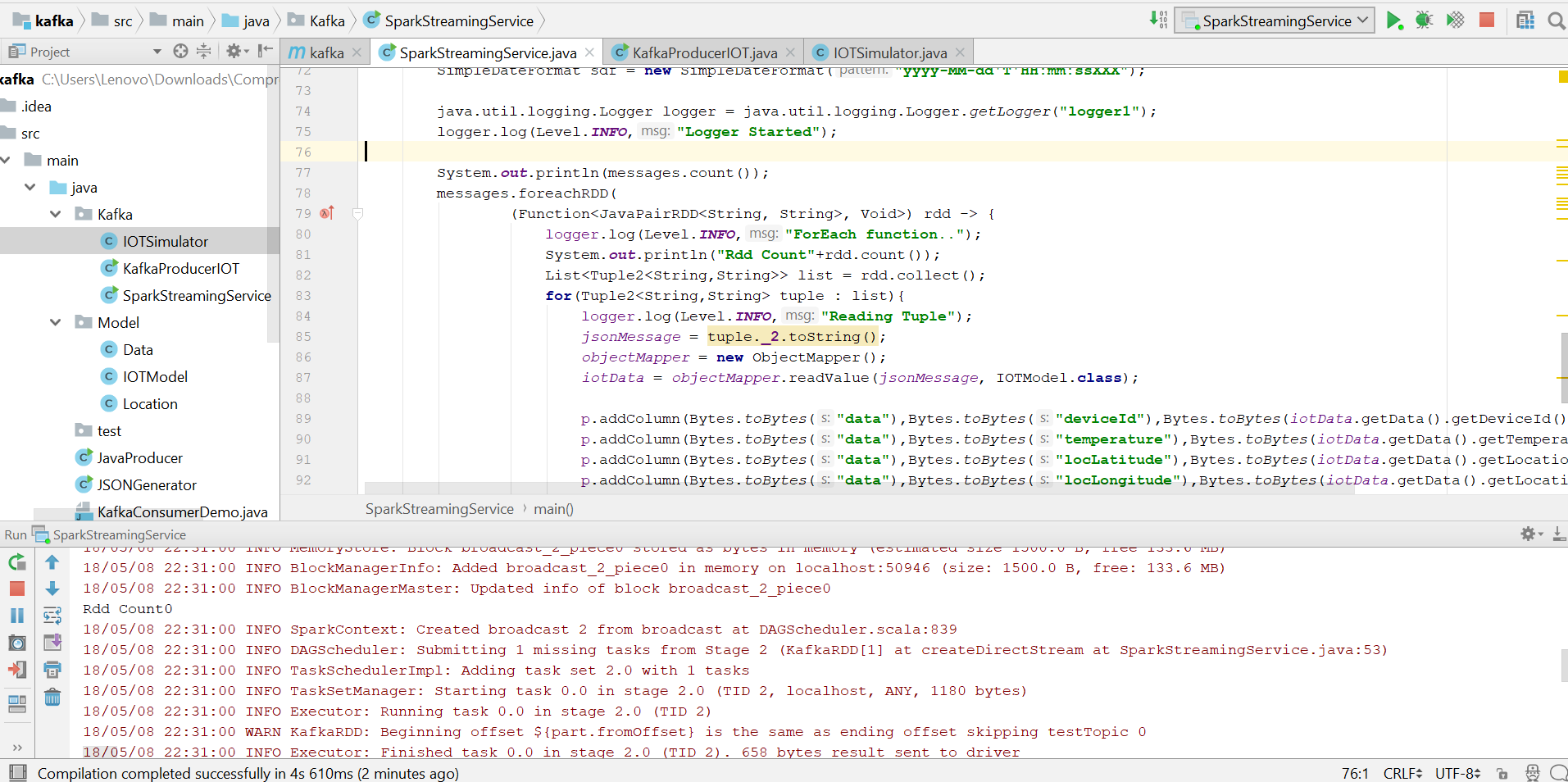
Starting kafka-server:



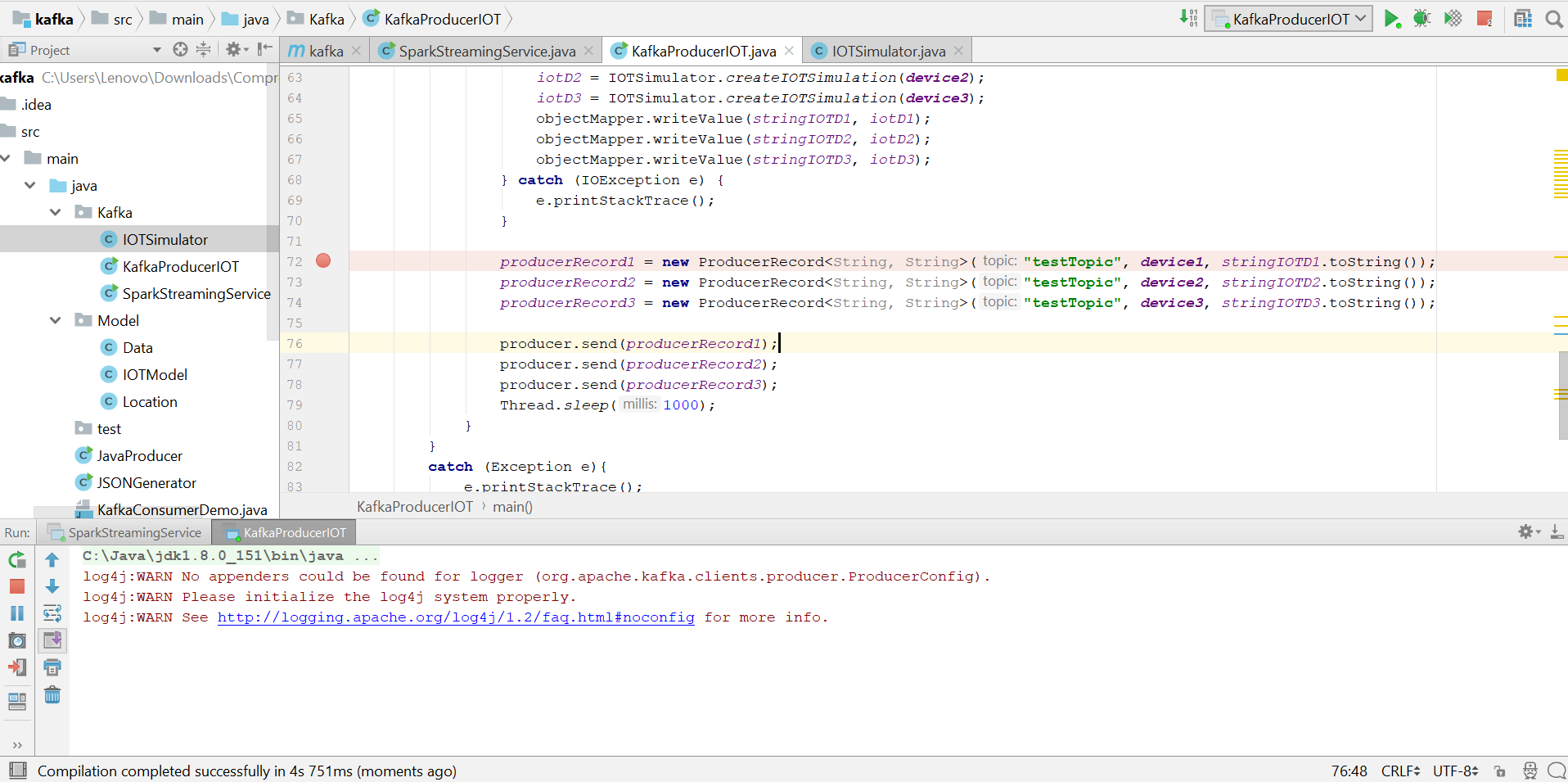
Kafka-consumer:

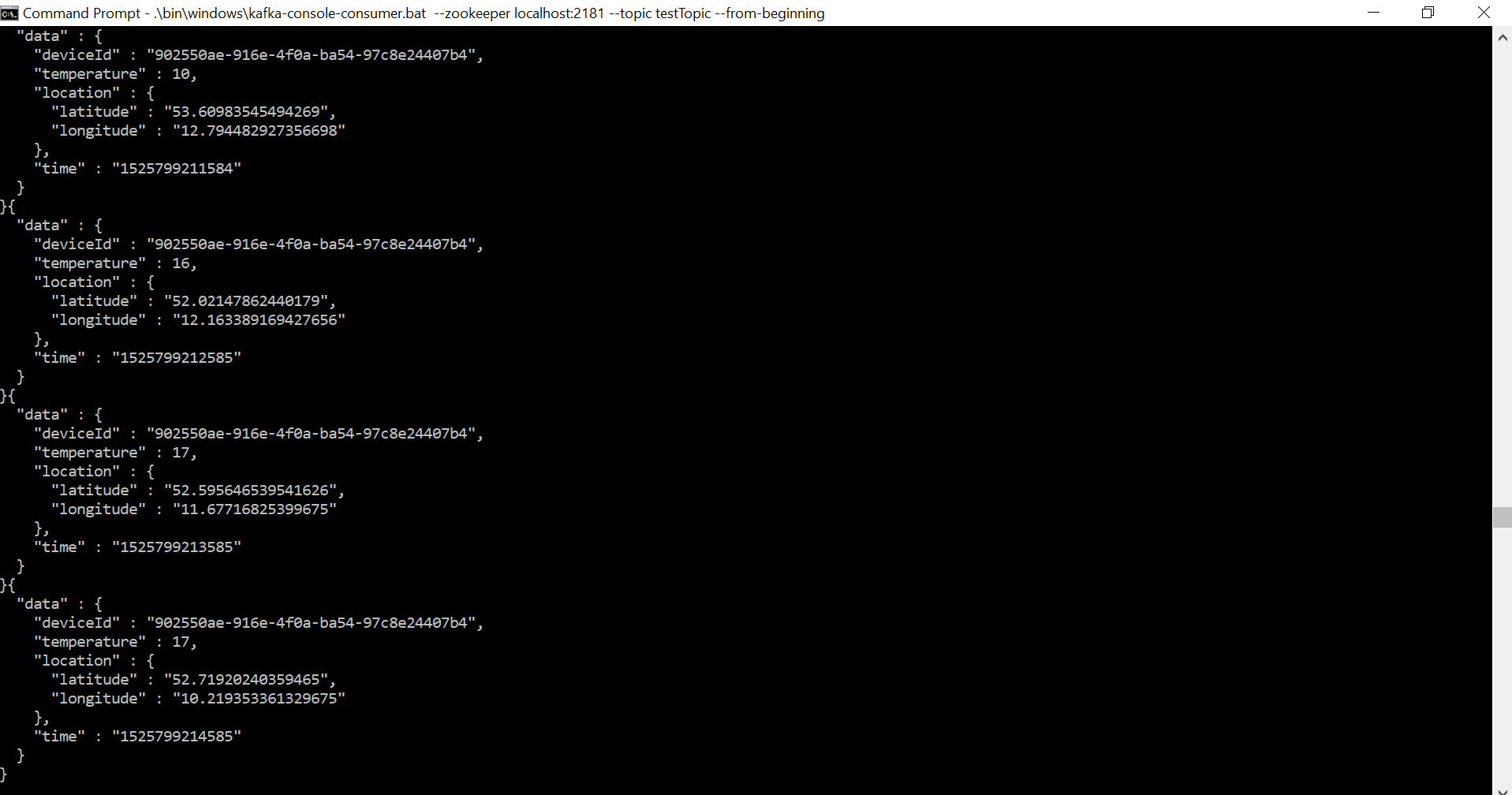


Launching Spark-Streaming API:

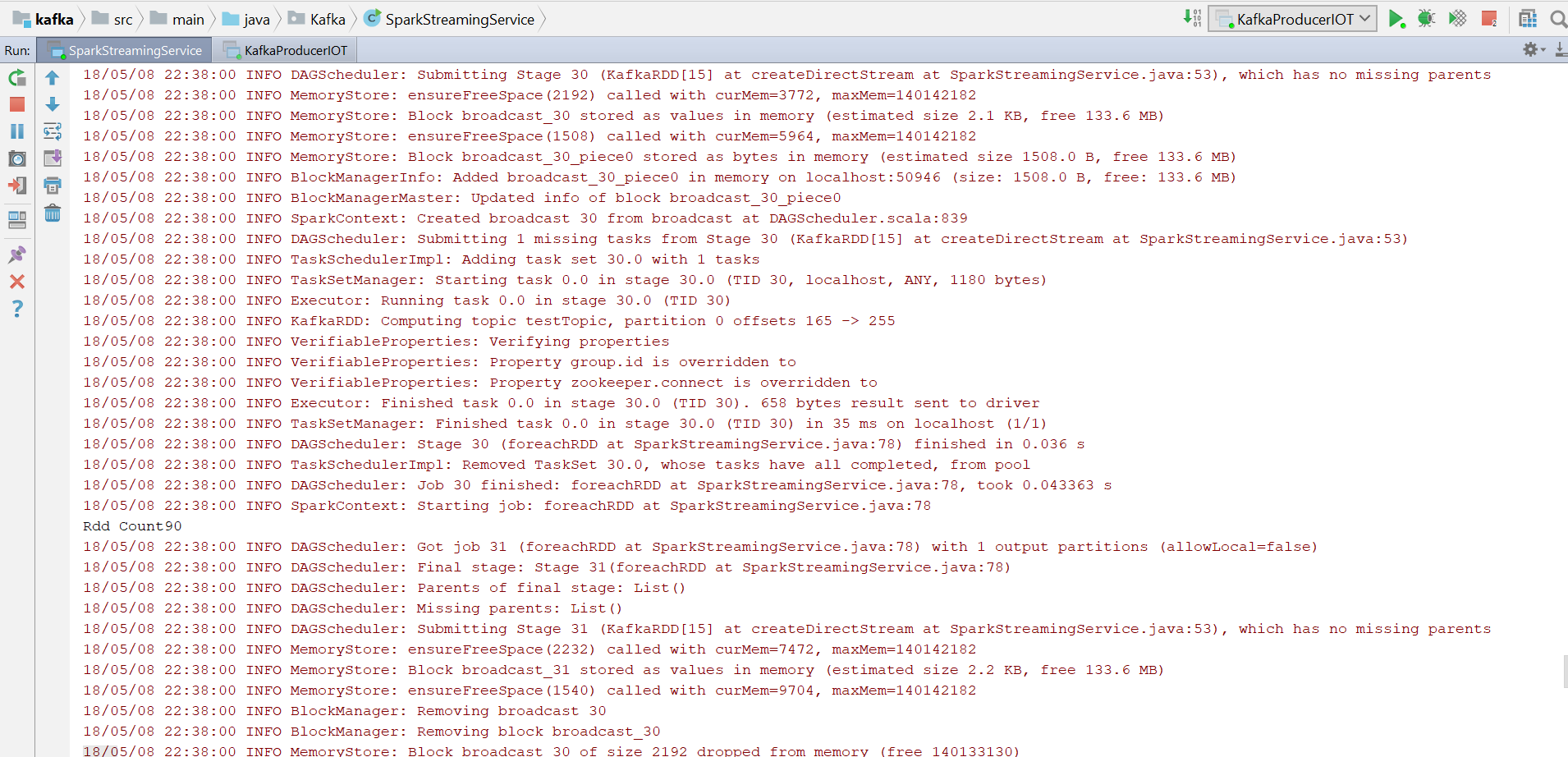


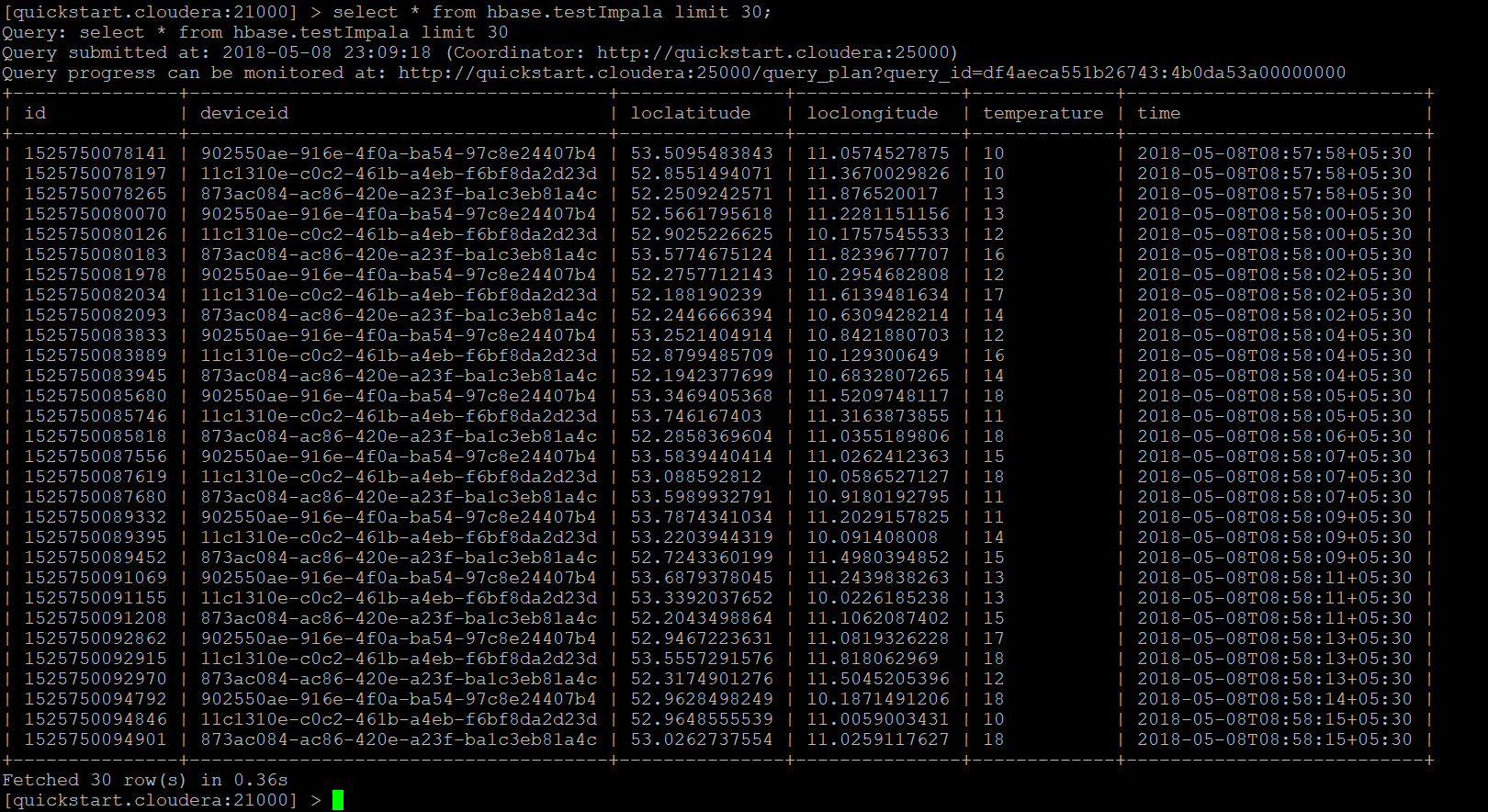
Simulating and Producing IOT devices data through Kafka Producer:

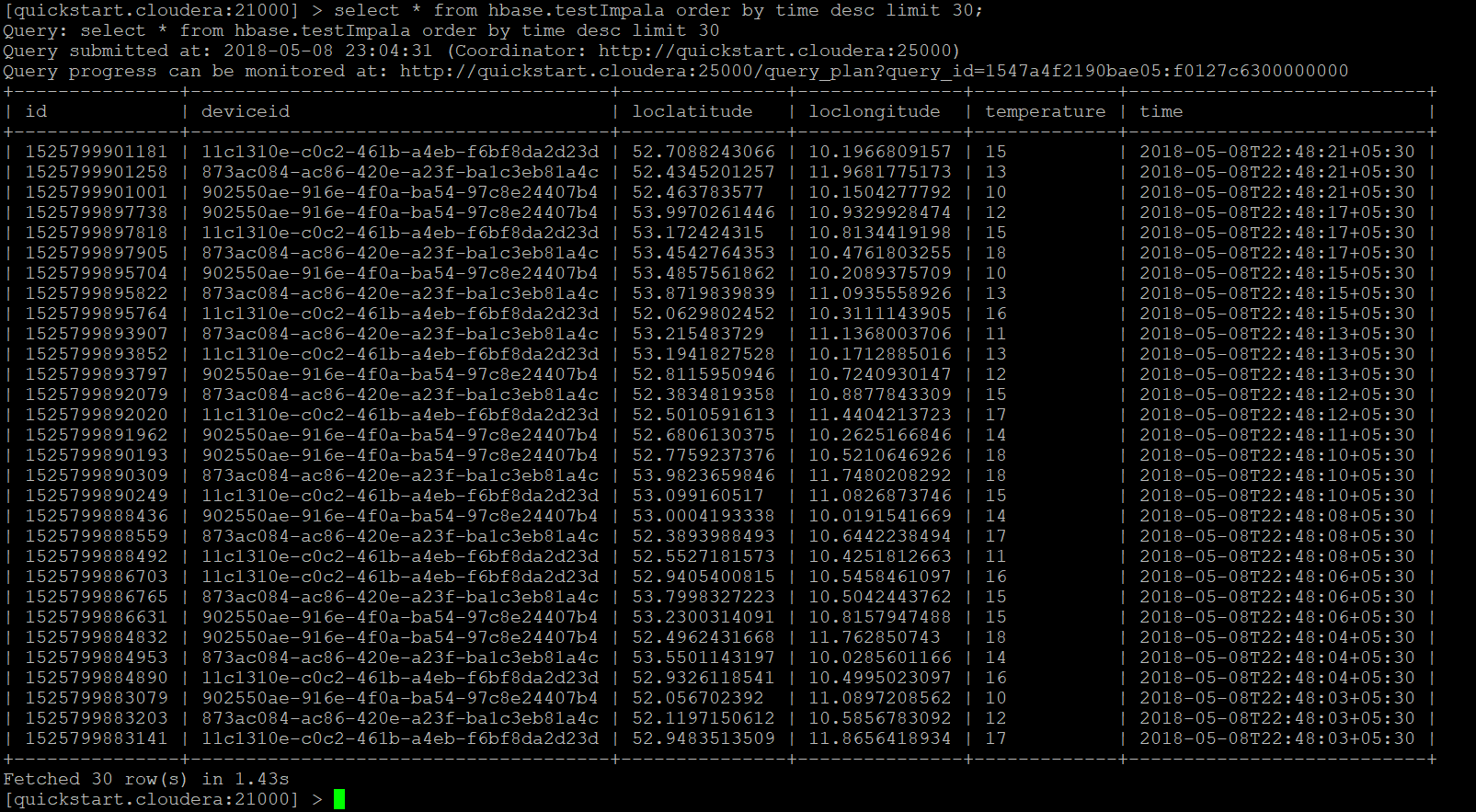


Console data in Kafka Consumer:

Stream keeps running (Rdd Count90 represents number of lines of json data streamed in a shot by 3 devices):

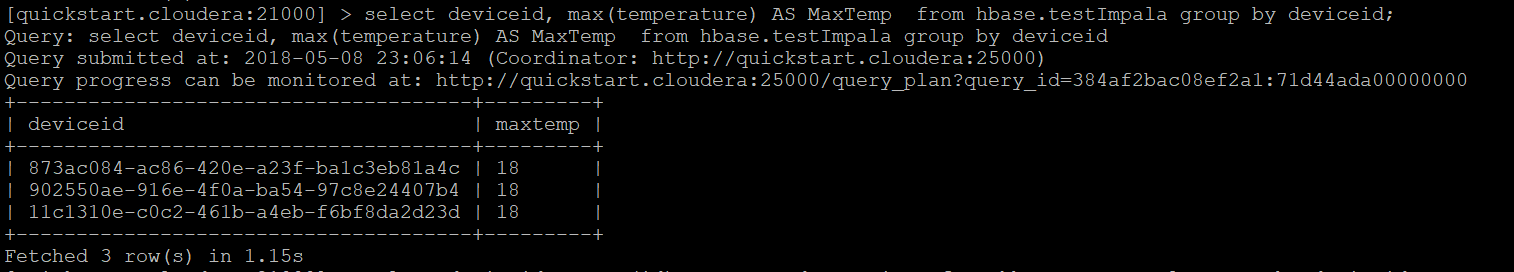


Impala/Hive table is created on top of Hbase where data was consumed:

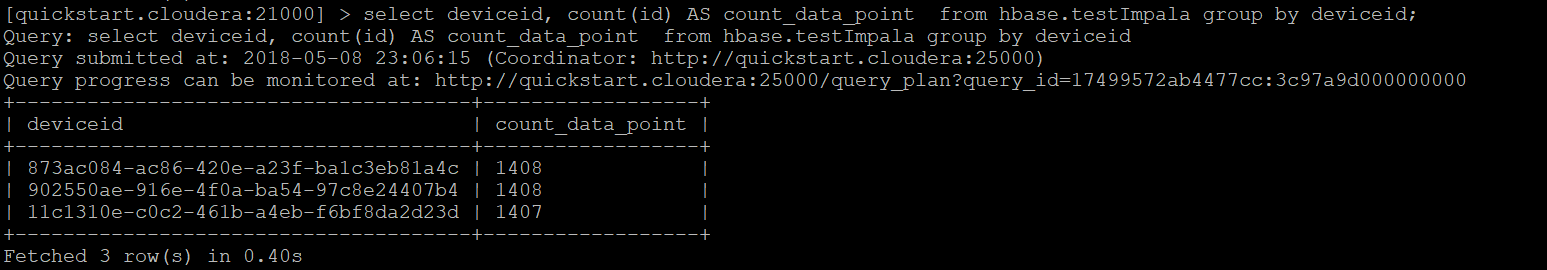


Analysis queries and it’s results are as following:

1. The maximum temperatures measured for every device.



1. The amount of data points aggregated for every device.



1. The highest temperature measured on a given day for every device.

