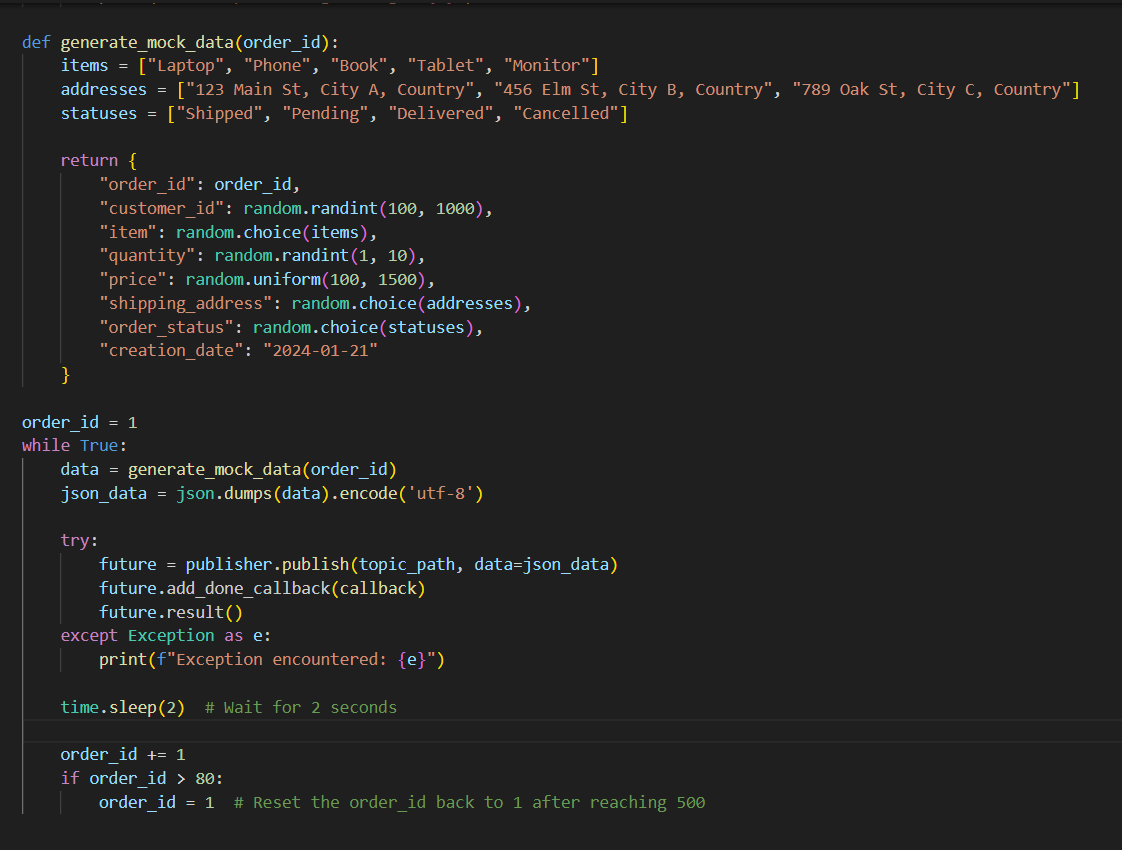
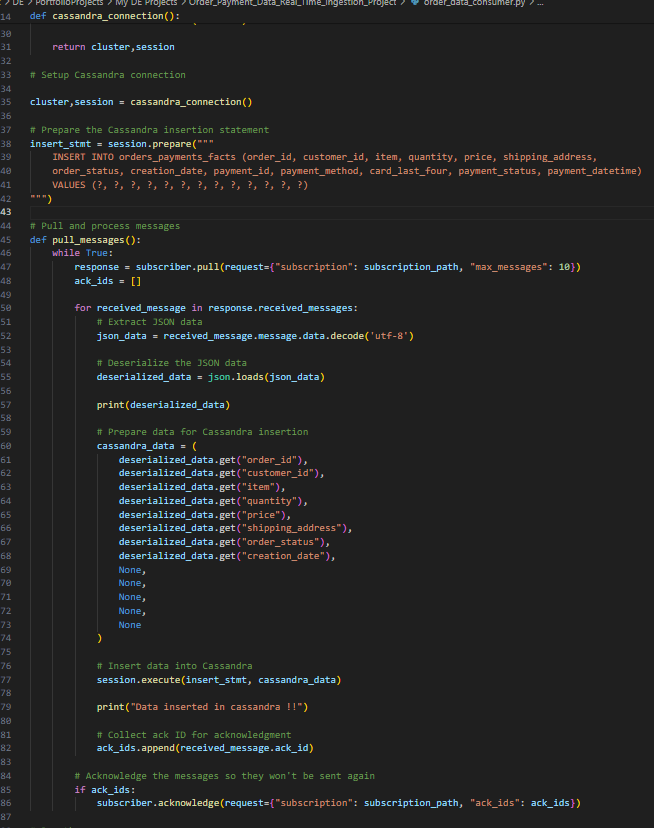
Real Time Orders Payments Data Ingestion

1. This project was about the ingestion of orders payments data in real time.
2. We needed 3 pub sub topics for this project. Topics are orders\_data, payments\_data and dlq\_payments\_data.
3. While creating topics, a default subscription gets created for the respective topics.
4. first we run producer of orders data so that some records might be able to ingest into cassandra table. Here attributes related to payment will be null when we check cassandra table.

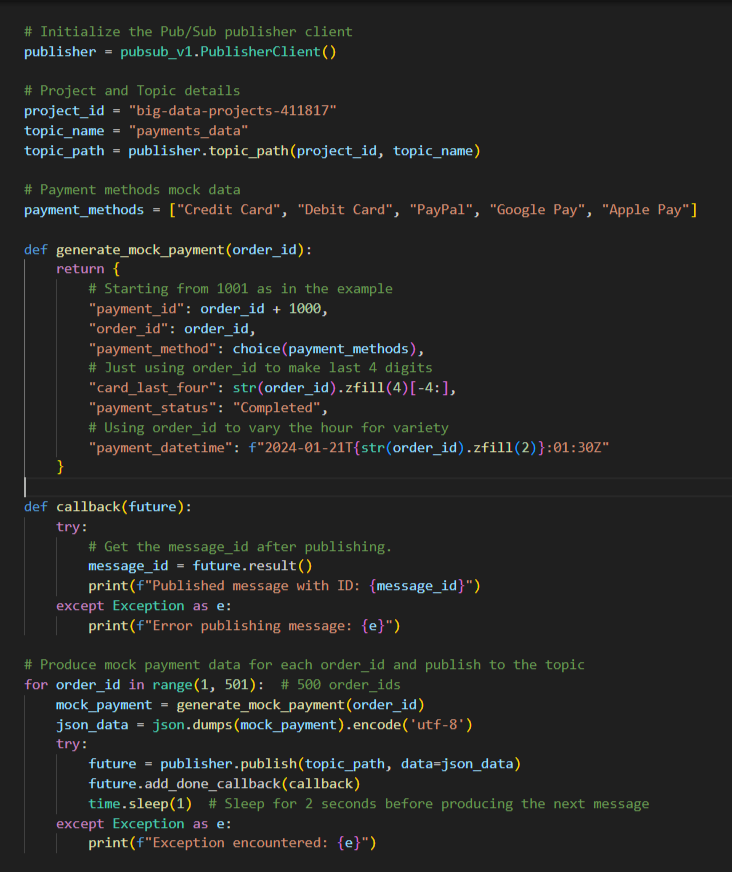
orders data producer:



orders data consumer:



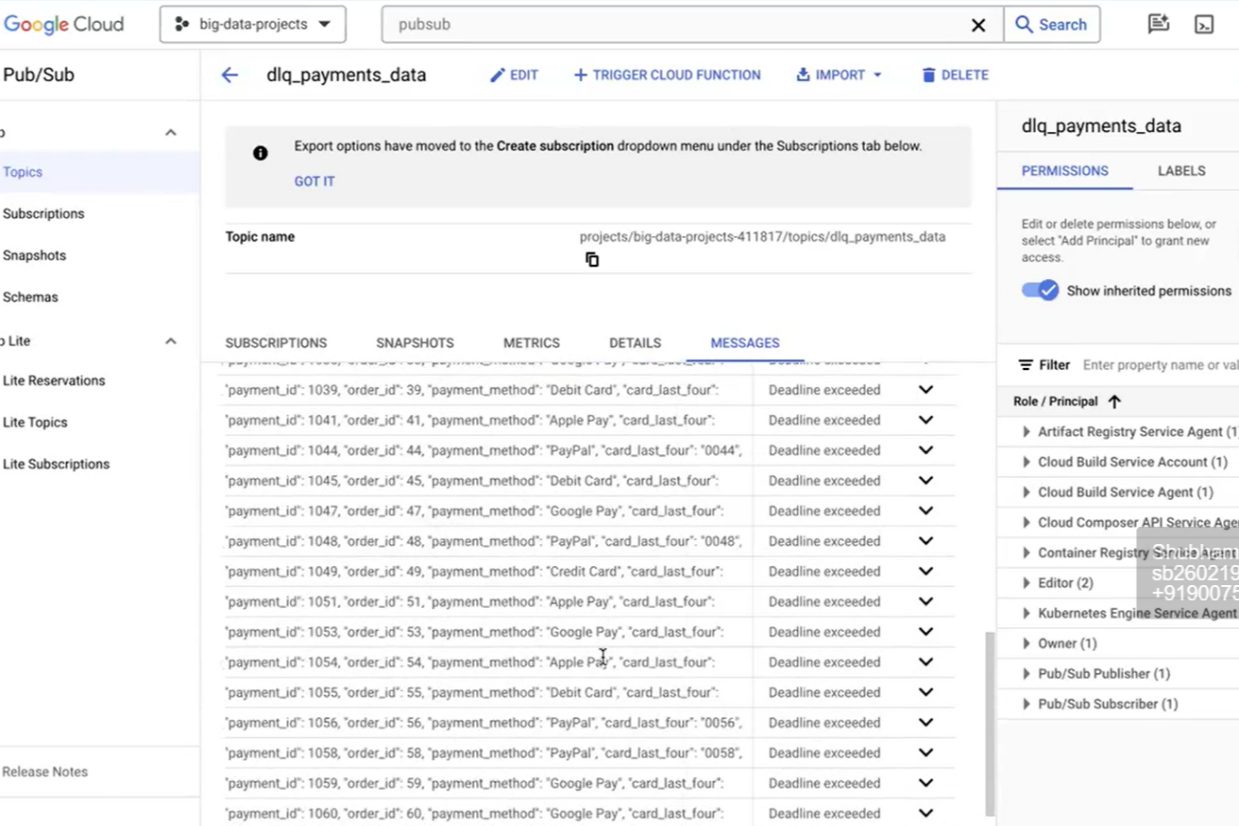
1. Then we start the payments producer so that it can push the data related to the respective order ids.



1. Next executed ingestion in fact table using payments consumer which starts reading data from payments topic so that it can check order id existence in cassandra table and update the payment data for that order id there at table in real time.



1. If order id not found, those data thrown to dlq payments topic.



1. We wrote another streaming process on dlq topic to reprocess dlq data in cassandra. That’s how we can handle failure data which was somehow didn't ingest into table.

