In anticipation of working with complex Confluent Platform, we first learned how to work with low-level Kafka technology to enable us to work on high-level Burroughs project; this step allowed us to accomplish cloning a KSQL table into RDBMS.

- Created a Kafka Producer
- Created a Kafka Consumer
- Created Streams using ksqlDB
- Ran simple queries, built tables, ran table aggregations
- Identified limitations of ksqlDB

Keeping the limitations of ksqlDB in mind, we are continuing to work on the query translation aspect of Burroughs.

- Check for a valid SQL query
- Check for keywords that require translation
- Define queries that Burroughs can / cannot support
- Limitations of ksqlDB:
  - Not all SQL functions are supported
  - Cascading Aggregations
  - Distinct Keyword doesn't exist