Handling Streaming Data with a Kafka Cluster:

1.Given a topic called “orders,” how many producers can you use to produce data on this topic?

🡪More than five.

2.Given a topic that has to store user-related information (name, address, etc.), which type of clean-up policy would be the most appropriate?

🡪 compact.

3. Which is the acknowledgment level that provides the best delivery guarantee?

🡪All.

4. Given a high load topic with small message sizes and no requirements from the latency perspective, which property would help to increase the throughput the most?

🡪 linger.ms

5.What kind of mechanism do Kafka Consumers use for retrieving records?

🡪Pull.

6.Given a topic with five partitions, what is the maximum number of consumers from a consumer group that can be active at the same time?

🡪Five.

7. Given a topic that should contain only filtered data from another topic, which technology would you use to achieve this?

🡪Kafka Streams.

8. Deleting records before certain offsets can be done by which of the following?

🡪Partition.

9. Given a NoSQL database, which component is most properly suited to transfer and adapt the data to stream processing?

🡪Kafka Connect.

10. Given an external system that your consumer needs to send data to, when is the best time to commit the offsets?

🡪After a response from the external system.

11. Given a high load topic with big message sizes and no requirements from the latency perspective, which property would help to increase the throughput the most?

🡪batch.size

12. Given two consumers with different group IDs, how many times will the messages be consumed?

🡪Each message can be consumed more than once by each consumer.

13. Which tool should a new custom application be integrated with to produce data to Kafka?

🡪Kafka Producer

14. Which option best describes data in streaming?

🡪Unbounded and Continuous

15. Given a Kafka cluster composed of five brokers, what is the maximum number of replicas that a topic can have?

🡪Five Replicas