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QUESTION 1

The rule "same key goes to the same p	partition" is true unless
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- A. the number of producer changes
- B. the number of kafka broker changes
- C. the number of partition changes
- D. the replication factor changes

Correct Answer: C

Increasing the number of partition causes new messages keys to get hashed differently, and breaks the guarantee "same keys goes to the same partition". Kafka logs are immutable and the previous messages are not re-shuffled.

QUESTION 2

You are sending messages with keys to a topic. To increase throughput, you decide to increase the number of partitions of the topic. Select all that apply.

- A. All the existing records will get rebalanced among the partitions to balance load
- B. New records with the same key will get written to the partition where old records with that key were written
- C. New records may get written to a different partition
- D. Old records will stay in their partitions

Correct Answer: CD

Increasing the number of partition causes new messages keys to get hashed differently, and breaks the guarantee "same keys goes to the same partition". Kafka logs are immutable and the previous messages are not re-shuffled

QUESTION 3

There are 3 brokers in the cluster. You want to create a topic with a single partition that is resilient to one broker failure and one broker maintenance. What is the replication factor will you specify while creating the topic?

- A. 6
- B. 3
- C. 2
- D. 1

Correct Answer: B

1 is not possible as it doesn\\'t provide resilience to failure, 2 is not enough as if we take a broker down for maintenance,



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we cannot tolerate a broker failure, and 6 is impossible as we only have 3 brokers (RF cannot be greater than the number of brokers). Here the correct answer is 3

QUESTION 4

How will you find out all the partitions without a leader?

- A. kafka-topics.sh --broker-list localhost:9092 --describe --under-replicated-partitions
- B. kafka-topics.sh --bootstrap-server localhost:2181 --describe --unavailable-partitions
- C. kafka-topics.sh --zookeeper localhost:2181 --describe --unavailable-partitions
- D. kafka-topics.sh --zookeeper localhost:2181 --describe --under-replicated-partitions

Correct Answer: C

Please note that as of Kafka 2.2, the --zookeeper option is deprecated and you can now usekafka-topics.sh --bootstrap-server localhost:9092 --describe --unavailable-partitions

QUESTION 5

To import data from external databases, I should use

- A. Confluent REST Proxy
- B. Kafka Connect Sink
- C. Kafka Streams
- D. Kafka Connect Source

Correct Answer: D

Kafka Connect Sink is used to export data from Kafka to external databases and Kafka Connect Source is used to import from external databases into Kafka.

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