Kafka guarantees order within partition but not across partitions can make messages with same key go to same partition you may want records with the same key to be seen in the correct order Keys are not required on records but can be useful! A partition can only be worked on by ONE consumer in a consumer group some followers may be ISR's can take over from Kafka part 3 Leaders and followers ISR's (In sync replicas) leader if needed. Record is considered committed when ALL IRS's for a partition have written to their log Leaders perform the

writes