Zookeeper

Broker

Producer

Consumer

Topic

Offset

Partition

Produce and consume with and without key

With key -> hashing -> same partition

Message read from beginning, latest, specific offset

Consumer offset to mark the specific offset

Group id -> when we have n partition and for n partition, we have n consumer. So, all the consumer needs to be in sync. If we have n+1 consumer, then last consumer will be idle. Kafka broker manages groups

Partition leader/ follower

Replication-factor

In sync replicas