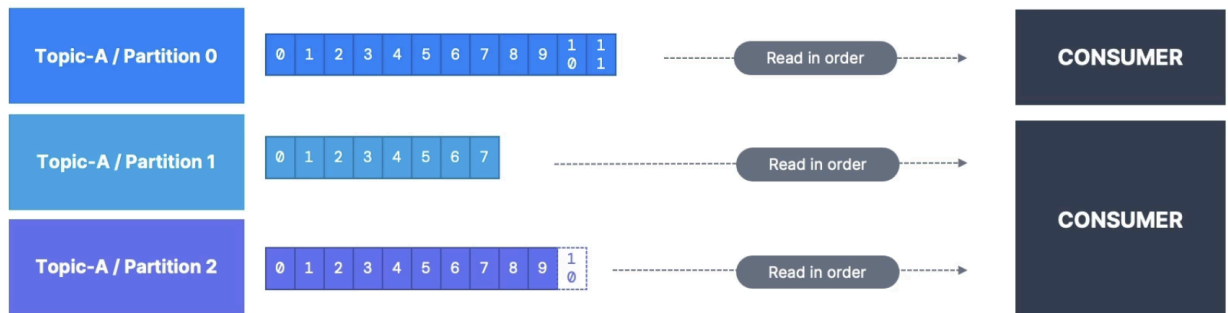
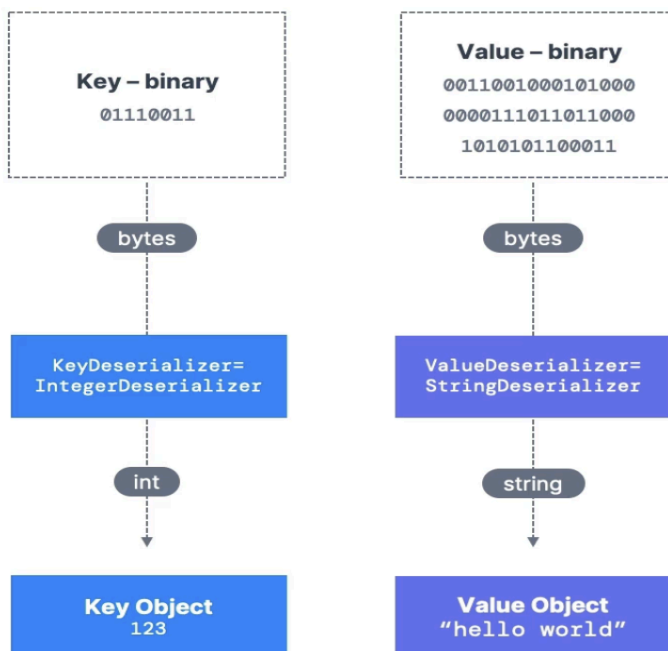


Consumers:

- Consumers read data from a topic(identified by name) - pull model (means consumers are going to request data from the kafka broker, and they will get a response back, it's not like the kafka brokers are pushing data to consumers)
- Consumers automatically know which broker to read data from
- In case of broker failures, consumers know how to revolve
- Data is read in order from low to high offset within each partitions



Consumer Deserialize:



- Deserialize indicates how to transform bytes into objects / data
- They are used on the value and the key of the message
- Common Deserializers:
 - String (incl. JSON)
 - Int, Float
 - Avro
 - Protobuf
- The serialization / deserialization type must not change during the lifecycle of a topic (new topic should be created instead)