**Kafka**

**Run zookeeper**

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.\zookeeper-server-start.bat C:\kafka\config\zookeeper.properties

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**Producer:**

**In producer we need to create controller (REST CONTROLLER)**

**For sending to kafka server we need to use kafkatemplate which is autowired .**

**Obj.send(TOPIC,msg)**

**In configuration class with the help of bean annotation create NewTopic method return TopicBuilder.name().build()**

**Consumer:**

@KafkaListener(topics=””) is an annotation provided by **Spring Kafka** that allows you to listen for messages from a Kafka topic. It simplifies the process of consuming messages in a Spring-based application by defining a method that acts as a listener. This method gets automatically invoked when a message is published to the Kafka topic.

server.port=8082

spring.application.name=user-service

spring.kafka.producer.bootstrap-servers=localhost:9092

spring.kafka.consumer.group-id=1

spring.kafka.consumer.auto-offset-reset=earliest

**For Listing topics in Kafka in cmd ->** **>kafka-topics.bat --bootstrap-server localhost:9092 –list Topic name**

**Running produce ->** **kafka-console-producer.bat --topic topic-name --bootstrap-server localhost:9092**

**Running consumer->** **>kafka-console-consumer.bat --topic topic-name --bootstrap-server localhost:9092 --from-beginning**