Exercise 1

Agenda: Learn basics of Kafka Broker, Topics, Producer and Consumer through inbuilt console application

1. Go to home directory of kafka installation package

2. Start zookeeper instance if not yet
   bin/zookeeper-server-start.sh config/zookeeper.properties &

3. Start a kafka server instance. By the way, Server is same as Broker
   bin/kafka-server-start.sh config/server.properties &

4. Create a topic
   bin/kafka-topics.sh --create --zookeeper localhost:2181 --replication-factor 1 --partitions 1 --topic test

5. Verify that topic has been created
   bin/kafka-topics.sh --list --zookeeper localhost:2181

6. Create Producer
   bin/kafka-console-producer.sh --broker-list localhost:9092 --topic test

   Here, --broker-list is the list of brokers who would be receiving the published messages in the form of host:port
   Try running *bin/kafka-console-producer.sh* without any parameters and you will see a whole bunch of parameters it accepts

7. Create Consumer
   bin/kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic test --from-beginning

8. See where is the data being stored by broker
   Look at the log.dirs parameter in server.properties file under config folder

Reference:
- https://kafka.apache.org/documentation/#gettingStarted