

Vijay's Assignment – Kafka1

Initially I installed Kafka and Zookeeper in Windows and started this assignment. Due to my system restart the Kafka server was shutdown abruptly. Since then Kafka server did not start and failed trying to restore my earlier topics. Hence task 3 & 4 were performed in acadgild VM while Task 1 & 2 are from my Windows machine.

Task 1:

I created KeyLessTopic1 as the name of the topic instead of KeyLessTopic

Create a kafka topic named KeyLessTopic1.

```
C:\kafka_2.12-2.1.1\bin\windows>kafka-topics.bat --create --zookeeper localhost:2181 --replication-factor 1 --partition 1 --topic KeyLessTopic1
Created topic "KeyLessTopic1".
```

Inside KeyLessTopic insert following data:

```
{"name":"John", "exp":16}
{"name":"Finn", "exp":20}
{"name":"Cylin", "exp":18}
{"name":"Mark", "exp":2}
{"name":"Akshay", "exp":14}
```

```
C:\kafka_2.12-2.1.1\bin\windows>kafka-console-producer.bat --broker-list localhost:9092 --topic KeyLessTopic1
>"name":"John", "exp":16
>{"name":"Finn", "exp":20}
>{"name":"Cylin", "exp":18}
>{"name":"Mark", "exp":2}
>{"name":"Akshay", "exp":14}
```

Task 2:

Create a console consumer that reads KeyLessTopic1 from beginning

```
C:\kafka_2.12-2.1.1\bin\windows>kafka-console-consumer.bat --bootstrap-server localhost:9092 --topic KeyLessTopic1 --from-beginning
{"name":"John", "exp":16}
{"name":"Finn", "exp":20}
{"name":"Cylin", "exp":18}
{"name":"Mark", "exp":2}
{"name":"Akshay", "exp":14}
```

Task 3:

I created KeyedTopic1 as the name of the topic instead of KeyedTopic

Create a kafka topic named KeyedTopic1. Inside KeyedTopic1 insert following data:

The part before comma(,) should be treated as key and after comma(,) should be treated as value

```
{"name":"John"}, {"exp":16}
{"name":"Finn"}, {"exp":20}
{"name":"Cylin"}, {"exp":18}
```

```
{"name":"Mark"}, {"exp":2}
```

```
{"name":"Akshay"}, {"exp":14}
```

```
[acadgild@localhost ~]$ kafka-topics.sh --create --zookeeper localhost:2181 --re
plication-factor 1 --partitions 1 --topic KeyedTopic1
Created topic "KeyedTopic1".

[acadgild@localhost ~]$ kafka-console-producer.sh --broker-list localhost:9092 -
--topic KeyedTopic1 --property "parse.key=true" --property "key.separator=",
vijay,lakshmanan
{"name":"John"}, {"exp":16}
{"name":"Finn"}, {"exp":20}
{"name":"Cylin"}, {"exp":18}

{"name":"Mark"}, {"exp":2}
{"name":"Akshay"}, {"exp":14}
```

Task 4:

Create a console consumer that reads KeyedTopic1 from beginning

The key and value should be separated by '-'

```
[acadgild@localhost ~]$ kafka-console-consumer.sh --bootstrap-server localhost:9
092 --topic KeyedTopic1 --property print.key=true --property key.separator=- --f
rom-beginning
{"name":"John"}-
vijay-lakshmanan
{"name":"John"}- {"exp":16}
{"name":"Finn"}- {"exp":20}
{"name":"Cylin"}- {"exp":18}
{"name":"Mark"}- {"exp":2}
{"name":"Akshay"}- {"exp":14}
```