Assignment-22

Task 1:

Create a kafka topic named KeyLessTopic.

A Kafka topic with name **KeyLessTopic** has been created using command as shown in the below screenshot.

The topic created is shown in the below screenshot using the "List" command.

```
[acadgild@localhost ~]$ $KAFKA_HOME/bin/kafka-topics.sh --list --zookeeper localhost:2181

KeyLessTopic
TestTopic
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ 

[acadgild@localhost ~]$
```

Inserting data into producer as keyless topic.

```
acadgild@localh...  acadgi
```

Task 2:

Create a console consumer that reads KeyLessTopic from beginning

A console consumer has been created which reads the data from producer from the beginning.

```
acadgild@localh...  
acadgild@
```

Task 3:

Create a kafka topic named KeyedTopic. Inside KeyedTopic 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}
```

A Kafka topic with name "KeyedTopic" has been created as shown in the below screenshot.

Created topic is viewed using the list command as shown in the below screenshot.

```
[acadgild@localhost ~]$ $KAFKA_HOME/bin/kafka-topics.sh --list --zookeeper localhost:2181

KeyLessTopic
KeyedTopic
TestTopic
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ |
```

Inserting data into the producer as keyed topic.

```
acadgild@lo...  
acadgi
```

Task 4:

Create a console consumer that reads KeyedTopic from beginning. The key and value should be separated by '-'

Created a console consumer which reads the KeyedTopic from the beginning and the output is separated by "-"as shown in the below screenshot.

```
acadgild@lo... \hspace{0.2cm} \hspace{0.2cm} \hspace{0.2cm} \hspace{0.2cm} | \hspace{0.2cm} acadgild@lo... \hspace{0.2cm} \hspace{0.2cm} | \hspace{0.2cm} acadgild@lo... \hspace{0.2cm} \hspace{0.2cm} \hspace{0.2cm} | \hspace{0.2cm} acadgild@lo... \hspace{0.2cm} | \hspace{0.
[acadgild@localhost ~]$ $KAFKA HOME/bin/kafka-console-consumer.sh --topic KeyedTopic --from-begin ✓
ning --zookeeper localhost:2181 --property print.key=true --property key.separator="-"
Using the ConsoleConsumer with old consumer is deprecated and will be removed in a future major r
elease. Consider using the new consumer by passing [bootstrap-server] instead of [zookeeper].
{"name":"John"}-{"exp":16}
{"name": "Finn"} - {"exp": 20}
{"name":"Cylin"}-{"exp":18}
{"name":"Mark"}-{"exp":2}
{"name":"Akshay"}-{"exp":14}
{"name":"John"}-{"exp":16}
{"name": "Finn"} - {"exp": 20}
{"name": "Cylin"} - { "exp": 18}
{"name": "Mark"}-{"exp":2}
{"name":"Akshay"}-{"exp":14}
hi-hi
{"name": "John"} - {"exp": 16}
{"name":"Finn"}-{"exp":20}
{"name": "Cylin"} - {"exp": 18}
{"name":"Mark"}-{"exp":2}
 {"name": "Akshay"} - {"exp": 14}
```