

# KAFKA INTRODUCTION

## Task 1:

Create a kafka topic named KeyLessTopic.

Inside KeyLessTopic insert following data:

```
{"name":"John", "exp":16}
```

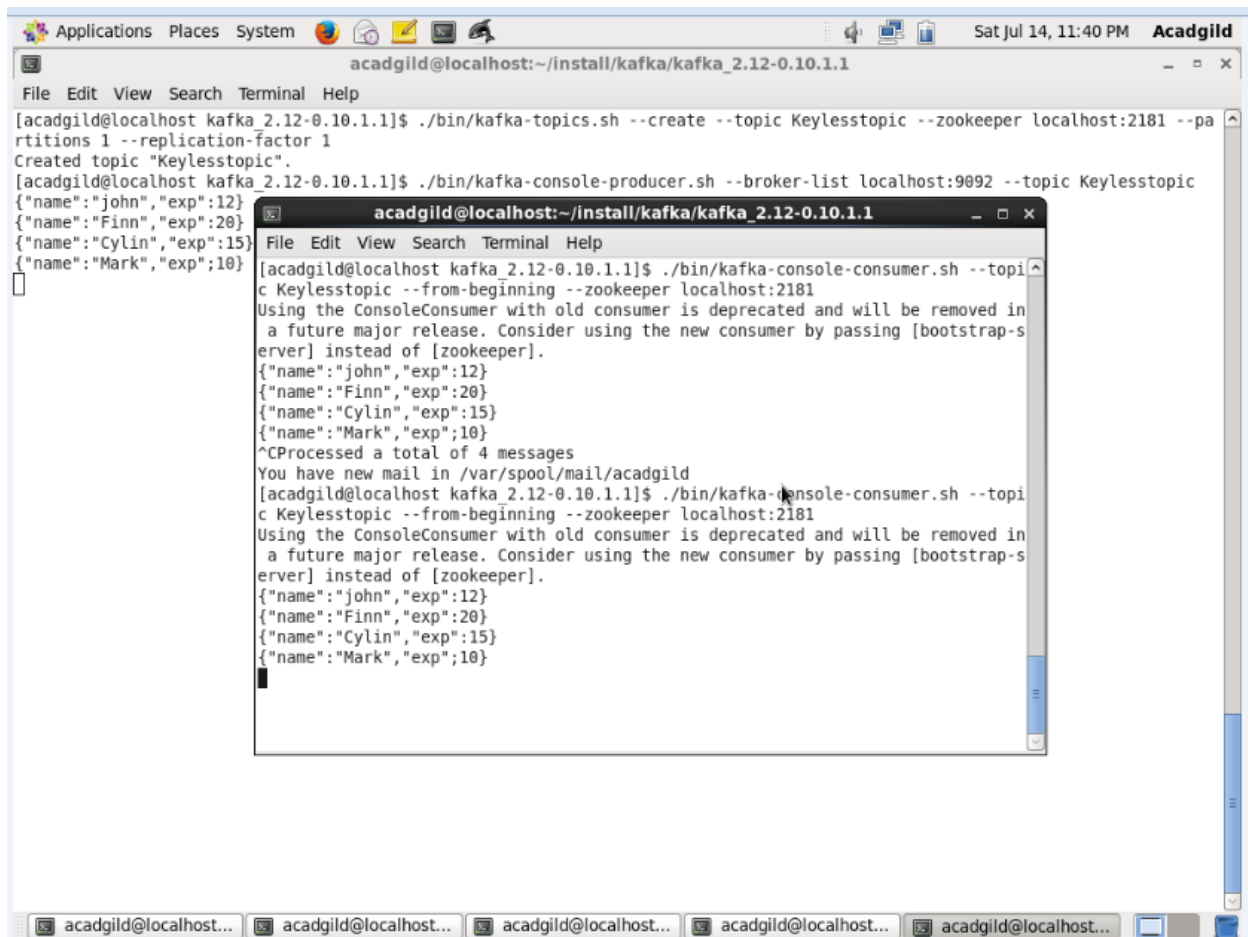
```
{"name":"Finn", "exp":20}
```

```
{"name":"Cylin", "exp":18}
```

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

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

Task 2: Create a console consumer that reads KeyLessTopic from beginning



The screenshot shows a terminal window with the following commands and output:

```
acadgild@localhost: ~/install/kafka/kafka_2.12-0.10.1.1
File Edit View Search Terminal Help
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-topics.sh --create --topic Keylesstopic --zookeeper localhost:2181 --partitions 1 --replication-factor 1
Created topic "Keylesstopic".
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-console-producer.sh --broker-list localhost:9092 --topic Keylesstopic
{"name":"john","exp":12}
{"name":"Finn","exp":20}
{"name":"Cylin","exp":15}
{"name":"Mark","exp":10}
^C
```

A second terminal window is overlaid on the first, showing the consumer command and output:

```
acadgild@localhost: ~/install/kafka/kafka_2.12-0.10.1.1
File Edit View Search Terminal Help
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-console-consumer.sh --topic Keylesstopic --from-beginning --zookeeper localhost:2181
Using the ConsoleConsumer with old consumer is deprecated and will be removed in a future major release. Consider using the new consumer by passing [bootstrap-server] instead of [zookeeper].
{"name":"john","exp":12}
{"name":"Finn","exp":20}
{"name":"Cylin","exp":15}
{"name":"Mark","exp":10}
^CProcessed a total of 4 messages
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-console-consumer.sh --topic Keylesstopic --from-beginning --zookeeper localhost:2181
Using the ConsoleConsumer with old consumer is deprecated and will be removed in a future major release. Consider using the new consumer by passing [bootstrap-server] instead of [zookeeper].
{"name":"john","exp":12}
{"name":"Finn","exp":20}
{"name":"Cylin","exp":15}
{"name":"Mark","exp":10}
```

# KAFKA INTRODUCTION

**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**

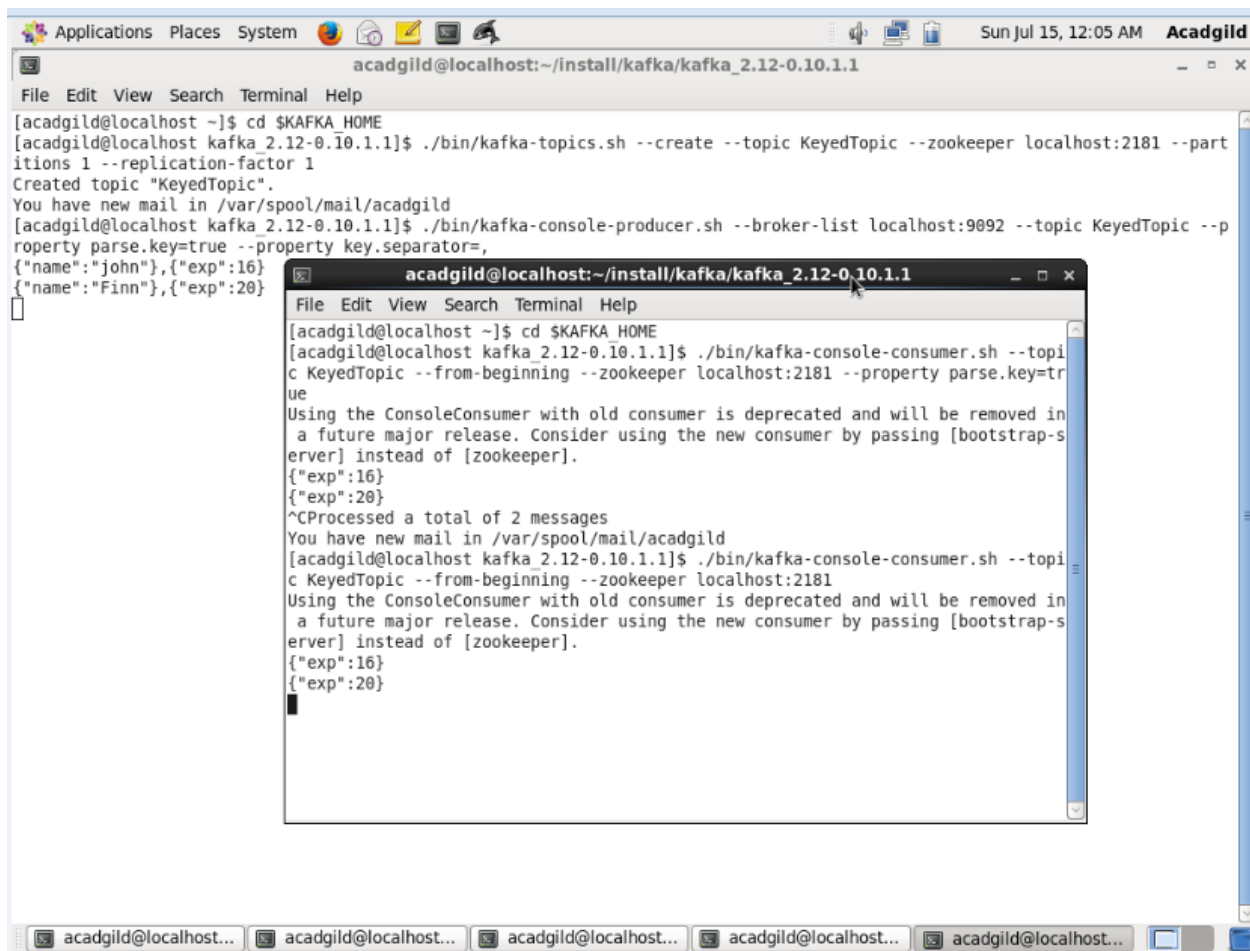
```
{"name":"John"},"exp":16}
```

```
{"name":"Finn"},"exp":20}
```

```
{"name":"Cylin"},"exp":18}
```

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

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



The screenshot shows a terminal window with the following commands and output:

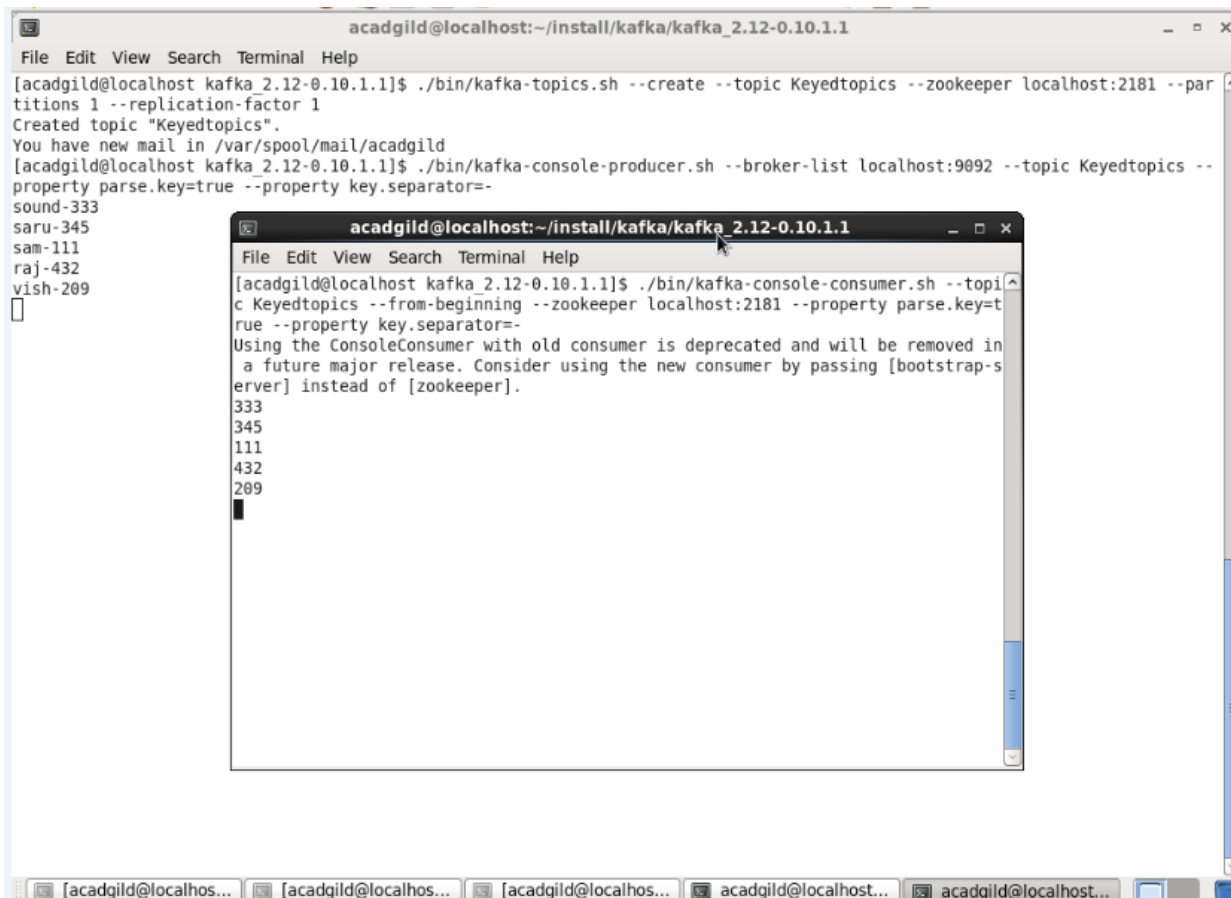
```
acadmild@localhost: ~/install/kafka/kafka_2.12-0.10.1.1
File Edit View Search Terminal Help
[acadmild@localhost ~]$ cd $KAFKA_HOME
[acadmild@localhost kafka 2.12-0.10.1.1]$ ./bin/kafka-topics.sh --create --topic KeyedTopic --zookeeper localhost:2181 --part
itions 1 --replication-factor 1
Created topic "KeyedTopic".
You have new mail in /var/spool/mail/acadmild
[acadmild@localhost kafka 2.12-0.10.1.1]$ ./bin/kafka-console-producer.sh --broker-list localhost:9092 --topic KeyedTopic --p
roperty parse.key=true --property key.separator=,
{"name":"john"},"exp":16}
{"name":"Finn"},"exp":20}
^C
```

A second terminal window is overlaid on the first, showing the consumption of the data:

```
acadmild@localhost: ~/install/kafka/kafka_2.12-0.10.1.1
File Edit View Search Terminal Help
[acadmild@localhost ~]$ cd $KAFKA_HOME
[acadmild@localhost kafka 2.12-0.10.1.1]$ ./bin/kafka-console-consumer.sh --topi
c KeyedTopic --from-beginning --zookeeper localhost:2181 --property parse.key=tr
ue
Using the ConsoleConsumer with old consumer is deprecated and will be removed in
a future major release. Consider using the new consumer by passing [bootstrap-s
erver] instead of [zookeeper].
{"exp":16}
{"exp":20}
^CProcessed a total of 2 messages
You have new mail in /var/spool/mail/acadmild
[acadmild@localhost kafka 2.12-0.10.1.1]$ ./bin/kafka-console-consumer.sh --topi
c KeyedTopic --from-beginning --zookeeper localhost:2181
Using the ConsoleConsumer with old consumer is deprecated and will be removed in
a future major release. Consider using the new consumer by passing [bootstrap-s
erver] instead of [zookeeper].
{"exp":16}
{"exp":20}
^C
```

# KAFKA INTRODUCTION

**Task 4: Create a console consumer that reads KeyedTopic from beginning The key and value should be separated by '-'**



The screenshot shows a terminal window with the following content:

```
acadgild@localhost:~/install/kafka/kafka_2.12-0.10.1.1
File Edit View Search Terminal Help
[acadgild@localhost kafka 2.12-0.10.1.1]$ ./bin/kafka-topics.sh --create --topic Keyedtopics --zookeeper localhost:2181 --partitions 1 --replication-factor 1
Created topic "Keyedtopics".
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost kafka 2.12-0.10.1.1]$ ./bin/kafka-console-producer.sh --broker-list localhost:9092 --topic Keyedtopics --property parse.key=true --property key.separator=-
sound-333
saru-345
sam-111
raj-432
vish-209

```

An inset window shows the consumer output:

```
acadgild@localhost:~/install/kafka/kafka_2.12-0.10.1.1
File Edit View Search Terminal Help
[acadgild@localhost kafka 2.12-0.10.1.1]$ ./bin/kafka-console-consumer.sh --topic Keyedtopics --from-beginning --zookeeper localhost:2181 --property parse.key=true --property key.separator=-
Using the ConsoleConsumer with old consumer is deprecated and will be removed in a future major release. Consider using the new consumer by passing [bootstrap.servers] instead of [zookeeper].
333
345
111
432
209

```