

Task 1:

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

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

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

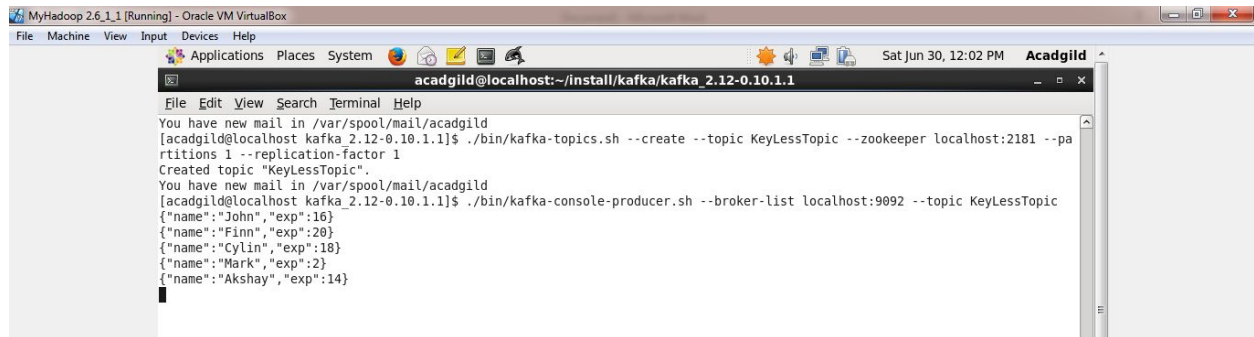
```
{"name":"Cylin", "exp":18}
```

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

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

Command to create topic: `./bin/kafka-topics.sh --create --topic KeyLessTopic --zookeeper localhost:2181 --partitions 1 --replication-factor 1`

Command to create Producer: `./bin/kafka-console-producer.sh --broker-list localhost:9092 --topic KeyLessTopic`

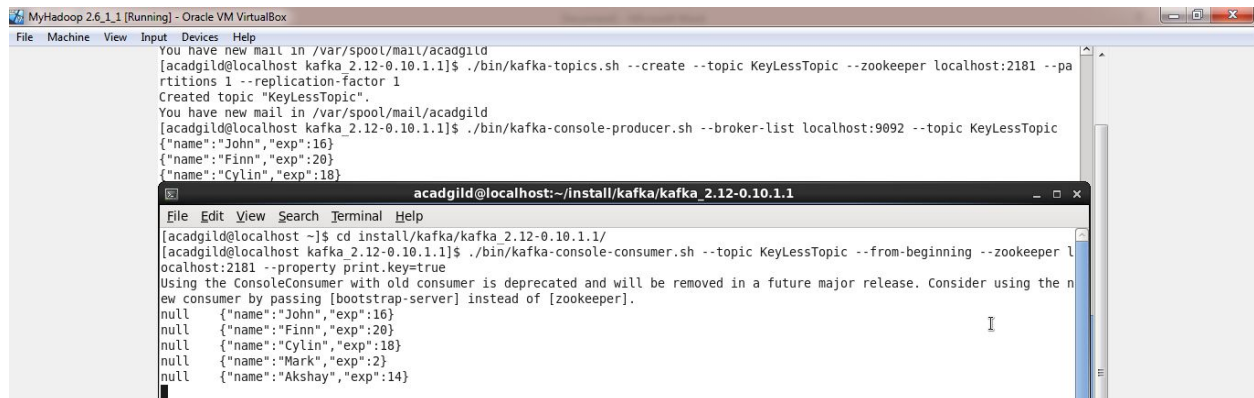


```
MyHadoop 2.6.1.1 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places System
acadmild@localhost:~/install/kafka/kafka_2.12-0.10.1.1
File Edit View Search Terminal Help
You have new mail in /var/spool/mail/acadmild
[acadmild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-topics.sh --create --topic KeyLessTopic --zookeeper localhost:2181 --partitions 1 --replication-factor 1
Created topic "KeyLessTopic".
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 KeyLessTopic
{"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

Command to create Consumer: `./bin/kafka-console-consumer.sh --topic KeyLessTopic --from-beginning --zookeeper localhost:2181 --property print.key=true`



```
MyHadoop 2.6.1.1 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
You have new mail in /var/spool/mail/acadmild
[acadmild@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".
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 KeyLessTopic
{"name":"John","exp":16}
{"name":"Finn","exp":20}
{"name":"Cylin","exp":18}
[acadmild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-console-consumer.sh --topic KeyLessTopic --from-beginning --zookeeper localhost:2181 --property print.key=true
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].
null {"name":"John","exp":16}
null {"name":"Finn","exp":20}
null {"name":"Cylin","exp":18}
null {"name":"Mark","exp":2}
null {"name":"Akshay","exp":14}
```

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}
```

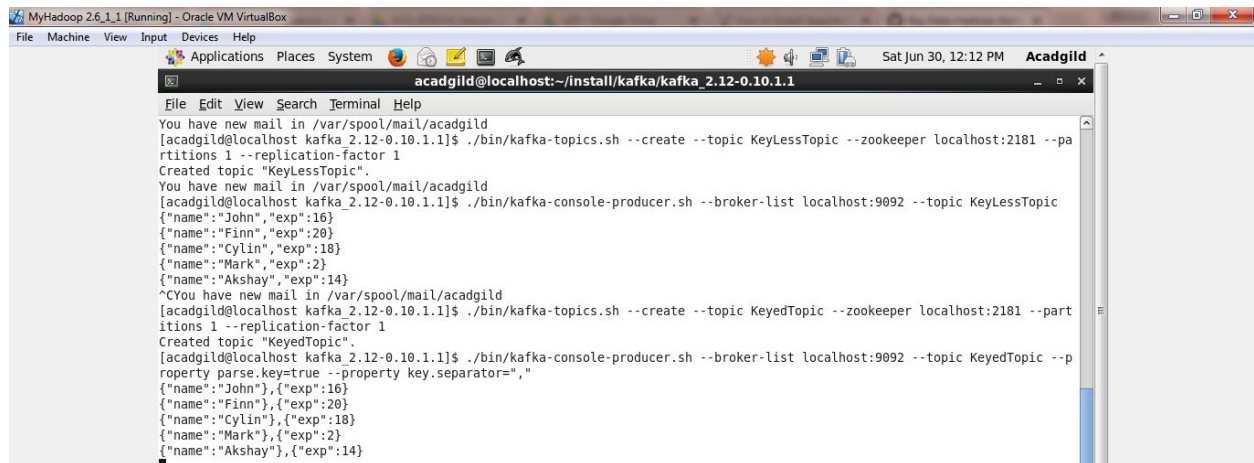
```
{"name":"Cylin"},{"exp":18}
```

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

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

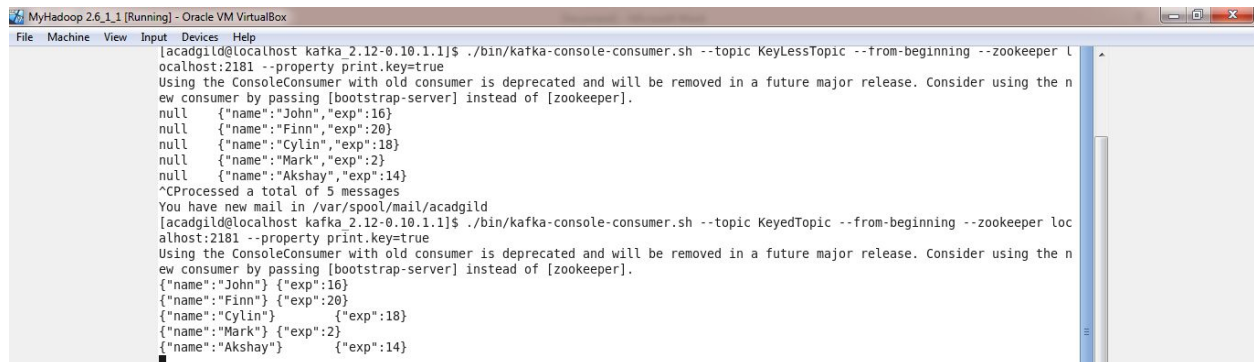
Command to create topic: `./bin/kafka-topics.sh --create --topic KeyedTopic --zookeeper localhost:2181 --partitions 1 --replication-factor 1`

Command to create Producer: `./bin/kafka-console-producer.sh --broker-list localhost:9092 --topic KeyedTopic --property parse.key=true --property key.separator=","`



```
MyHadoop 2.6.1.1 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Acadgild
acadgild@localhost:~/install/kafka/kafka_2.12-0.10.1.1
File Edit View Search Terminal Help
You have new mail in /var/spool/mail/acadgild
[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".
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 KeyLessTopic
{"name":"John"},{"exp":16}
{"name":"Finn"},{"exp":20}
{"name":"Cylin"},{"exp":18}
{"name":"Mark"},{"exp":2}
{"name":"Akshay"},{"exp":14}
^CYou have new mail in /var/spool/mail/acadgild
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-topics.sh --create --topic KeyedTopic --zookeeper localhost:2181 --partitions 1 --replication-factor 1
Created topic "KeyedTopic".
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-console-producer.sh --broker-list localhost:9092 --topic KeyedTopic --property parse.key=true --property key.separator=","
{"name":"John"},{"exp":16}
{"name":"Finn"},{"exp":20}
{"name":"Cylin"},{"exp":18}
{"name":"Mark"},{"exp":2}
{"name":"Akshay"},{"exp":14}
```

Command to create consumer: `./bin/kafka-console-consumer.sh --topic KeyedTopic --from-beginning --zookeeper localhost:2181 --property print.key=true`

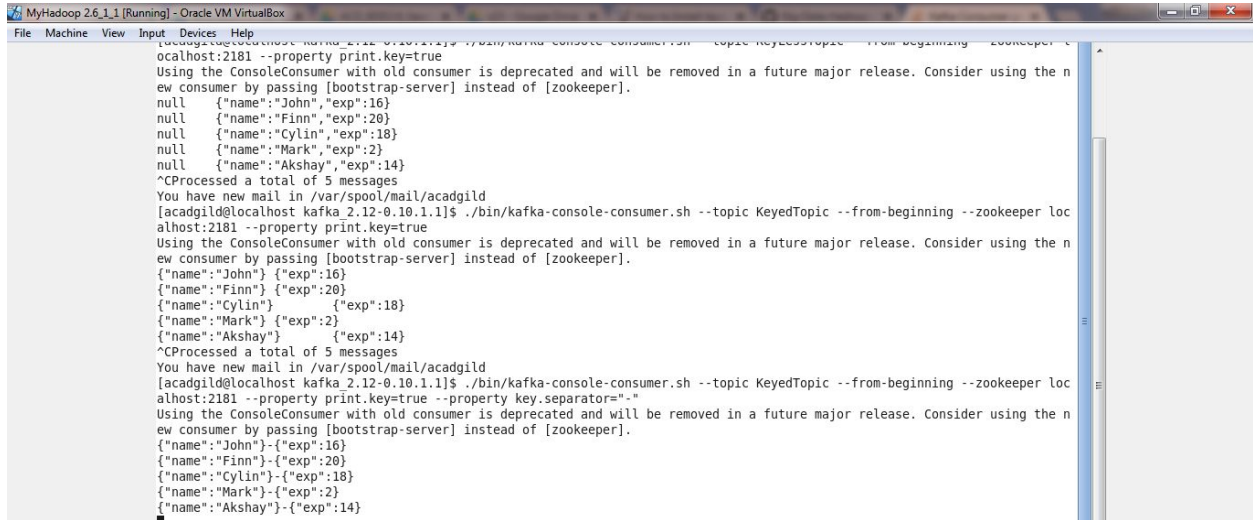


```
MyHadoop 2.6.1.1 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
[acadgild@localhost kafka_2.12-0.10.1.1]$ ./bin/kafka-console-consumer.sh --topic KeyLessTopic --from-beginning --zookeeper localhost:2181 --property print.key=true
Using the ConsoleConsumer with old consumer is deprecated and will be removed in a future major release. Consider using the new consumer by passing [bootstrap-server] instead of [zookeeper].
null {"name":"John","exp":16}
null {"name":"Finn","exp":20}
null {"name":"Cylin","exp":18}
null {"name":"Mark","exp":2}
null {"name":"Akshay","exp":14}
^CProcessed a total of 5 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 KeyedTopic --from-beginning --zookeeper localhost:2181 --property print.key=true
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":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 KeyedTopic from beginning. The key and value should be separated by '-'

Command to create consumer: `./bin/kafka-console-consumer.sh --topic KeyedTopic --from-beginning --zookeeper localhost:2181 --property print.key=true --property key.separator="-"`



```
MyHadoop 2.6.1.1 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
[acadgild@localhost kafka 2.12-0.10.1.1]$ ./bin/kafka-console-consumer.sh --topic KeyedTopic --from-beginning --zookeeper localhost:2181 --property print.key=true
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].
null    {"name":"John","exp":16}
null    {"name":"Finn","exp":20}
null    {"name":"Cylin","exp":18}
null    {"name":"Mark","exp":2}
null    {"name":"Akshay","exp":14}
^CProcessed a total of 5 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 KeyedTopic --from-beginning --zookeeper localhost:2181 --property print.key=true
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":16}
{"name":"Finn"} {"exp":20}
{"name":"Cylin"} {"exp":18}
{"name":"Mark"} {"exp":2}
{"name":"Akshay"} {"exp":14}
^CProcessed a total of 5 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 KeyedTopic --from-beginning --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 release. 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}
```