Assignment 23

Starting Zookeeper

```
cd $KAFKA_HOME
./bin/zookeeper-server-start ./etc/kafka/zookeeper.properties
./bin/zookeeper-server-start.sh ./config/zookeeper.properties
```

Starting broker

```
cd $KAFKA_HOME/bin/kafka-server-start ./etc/kafka/server.properties ./bin/kafka-server-start.sh ./config/server.properties
```

Task1

```
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

```
//creation of topic

cd $KAFKA_HOME

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

//creation of console producer

cd $KAFKA_HOME

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

Task2

Create a console consumer that reads KeyLessTopic from beginning

Command

```
cd $KAFKA_HOME
./bin/kafka-console-consumer.sh --topic KeyLessTopic --from-beginning \
--zookeeper localhost:2181 \
--property print.key=false //if it would have been true then the key would be printed as 'null'
```

Task3

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

Task4

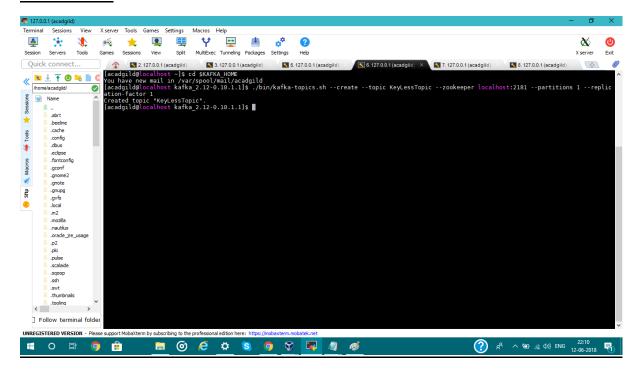
Create a console consumer that reads KeyedTopic from beginning

The key and value should be separated by '-'.

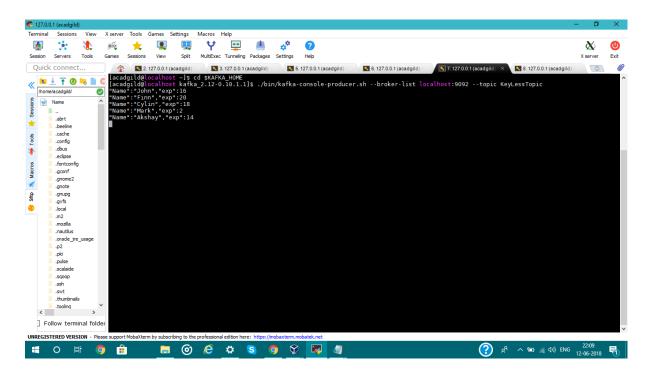
Command

```
cd $KAFKA_HOME
./bin/kafka-console-consumer.sh --topic KeyedTopic --from-beginning \
--zookeeper localhost:2181 \
--property print.key=true \
--property key.separator="-"
```

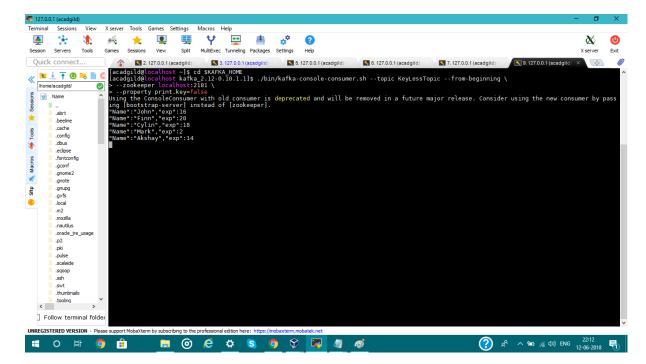
Screenshots



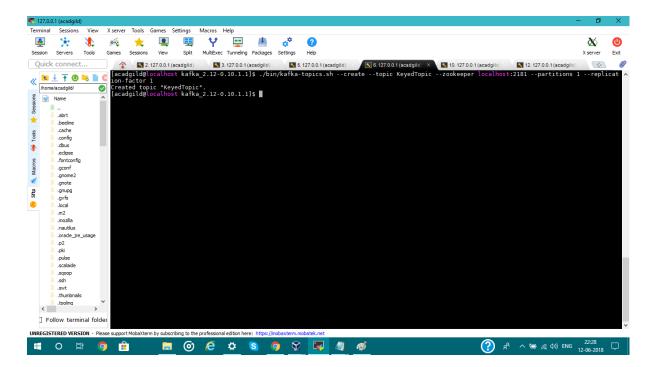
1.1: Creation of KeyLessTopic



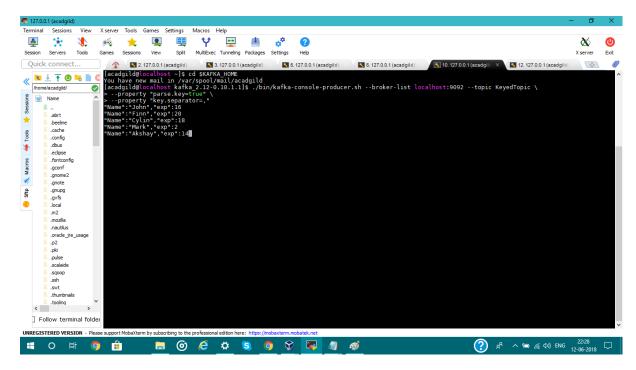
1.2: Creation of console producer and inserting of values



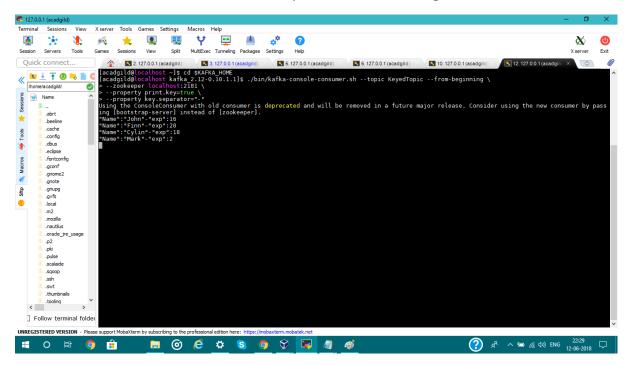
2: creation of consumer and display of values



3. 1: Creation of KeyedTopic



3.2: Creation of console producer and inserting of values



4: creation of consumer and display of values