Task 1:

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

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

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

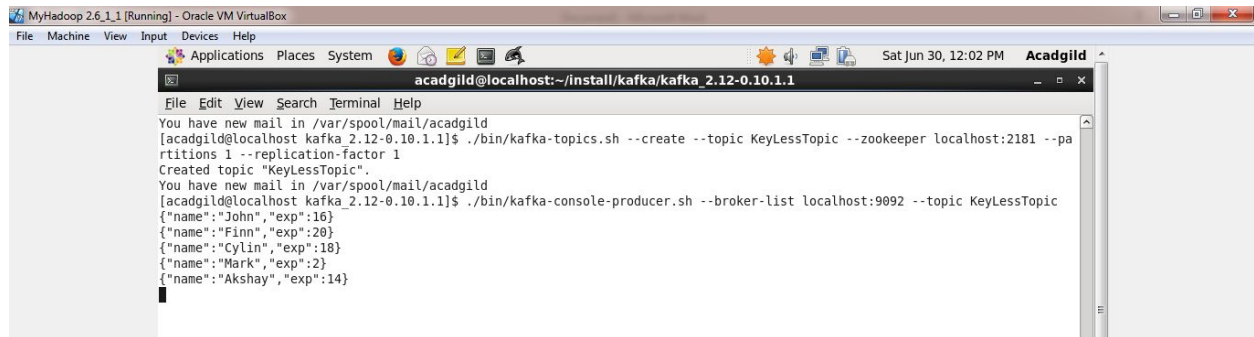{"name":"Cylin", "exp":18}

{"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
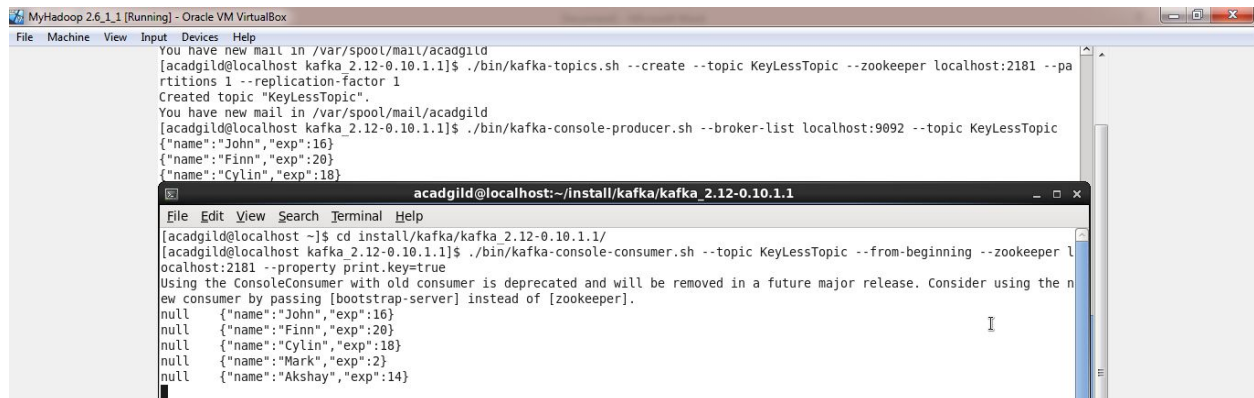

Task 2:

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

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}

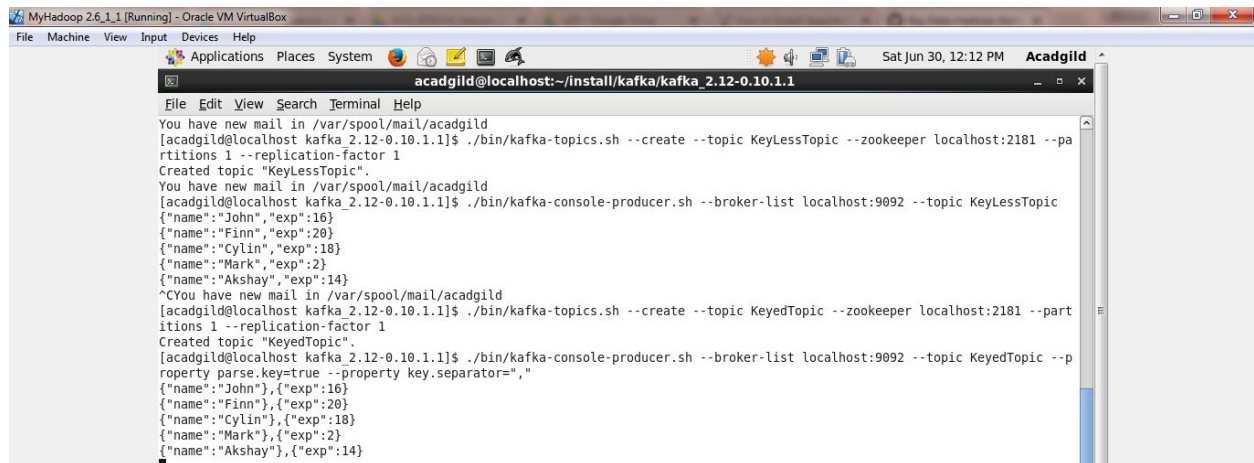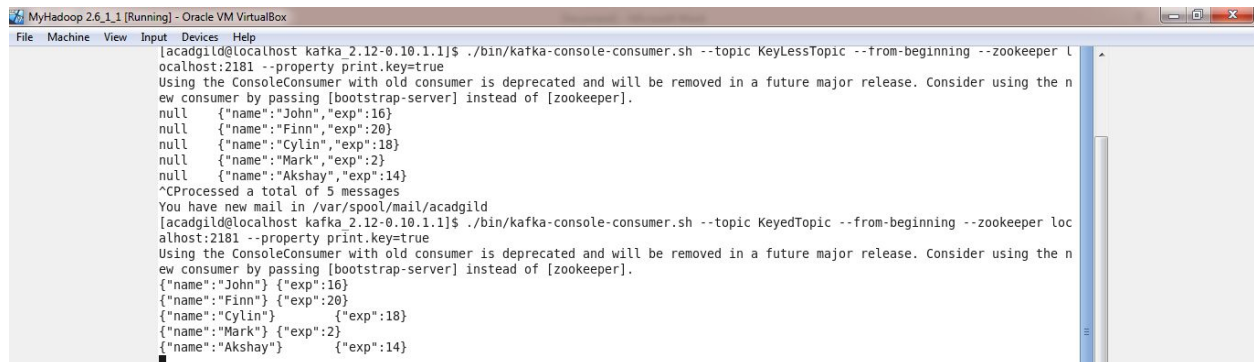{"name":"Cylin"},{"exp":18}

{"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=","

Command to create consumer: ./bin/kafka-console-consumer.sh --topic KeyedTopic --from-beginning --zookeeper localhost:2181 --property print.key=true
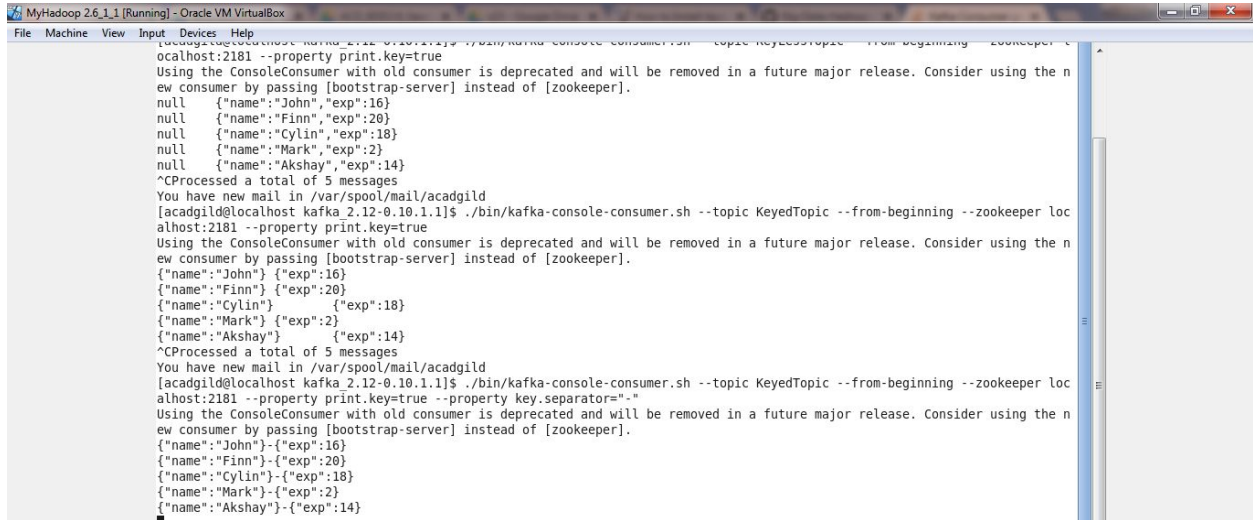
Task 4:

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="-"