/opt/confluent/bin/kafka-topics --zookeeper localhost:2181 --topic schematest --create --partitions 3 --replication-factor 1

/opt/confluent/bin/kafka-topics --zookeeper localhost:2181 --list

sudo /opt/confluent/bin/kafka-avro-console-producer --broker-list localhost:9092 --topic schematest --property value.schema='{"type":"record","name":"schema1","namespace":"test","fields":[{"name":"Name","type":"string"},{"name":"Age","type":"int"}]}'

{"Name":"Ana","Age":30}

{"Name":"Maria","Age":45}

{"Name":"Dean","Age":30}

{"Name":"Maria","Age":29}

sudo /opt/confluent/bin/kafka-avro-console-consumer --bootstrap-server localhost:9092 --topic schematest --from-beginning

**In KSQL lets create a stream and read the data:**

create stream schematest with (KAFKA\_TOPIC='t2', VALUE\_FORMAT='AVRO');

SET 'auto.offset.reset'='earliest';

select \* from schematest EMIT CHANGES; // we can see the data

**Let’s add new fields to schema**

sudo /opt/confluent/bin/kafka-avro-console-producer --broker-list localhost:9092 --topic t2 --property value.schema='{"type":"record","name":"schema2","namespace":"test","fields":[{"name":"Name","type":"string"},{"name":"Age","type":"int"},{"name":"Address","type":"string","default":"India"}]}'

{"Name":"Lili","Age":20,"Address":"UK"}

{"Name":"Sam","Age":30,"Address":"FR"}

To check current schema

curl [http://localhost:8081/subjects/t2-value/versions/](http://localhost:8081/subjects/t1-value/versions/1)2

{"subject":"t2-value","version":1,"id":21,"schema":"{\"type\":\"record\",\"name\":\"schema1\",\"namespace\":\"test\",\"fields\":[{\"name\":\"Name\",\"type\":\"string\"},{\"name\":\"Age\",\"type\":\"int\"}]}"}

**List all subjects**

curl -X GET http://localhost:8081/subjects |jq

Get version 1 for a schema

curl -X GET <http://localhost:8081/subjects/t2-value/versions/1>

Get version 2

curl -X GET <http://localhost:8081/subjects/t2-value/versions/2>

Get the top level config

curl -X GET <http://localhost:8081/config>