## Before you start:

* You can use the confluent manager to see the messages and the schemas - very helpful.
* **Do not** use AvroProducer and AvroConsumer since they are legacy. Use SerializingProducer, DeserializingConsumer, AvroSerializer and AvroDeserializer.

Producer Exercise:

* Create some basic producer that writes every 5 seconds json data in the following format to a topic named sabich-simple-<your\_name>

{

“customer\_name”: string

“parsley”: boolean

“egg” : boolean

“eggplant” : Enum of [Lightweight, Medium, Heavy, Militanty]

“hummus” : boolean,

“salad” : boolean

“spicy\_amount” : “number in range 0 and 5”,

“ambda\_amount”: “number in range 0 and 5” ,

“transaction\_id”: “<uuid>”

}

* Then, similar as above, create a topic sabic-array-<your\_name> and the schema should be:

{

“customer\_name”: string,

“number\_of\_orders” : number,

“transaction\_id”: “<uuid>”

“orders” : Array of type [cannot be null]:

{

“parsley”: boolean

“egg” : boolean

“eggplant” : Enum of [Lightweight, Medium, Heavy, Militant]

“hummus” : boolean,

“salad” : boolean,

“spicy\_amount” : “number in range 0 and 5”,

“ambda\_amount”: “number in range 0 and 5” ,

“dish\_count”: “number in range 1 to 10”,

}

}

Consumer Exercise:

* Create a consumer that consumes this data and prints it to the console.
* For each of the subtasks in the producer.

