Spring AU '21 – Kafka Introduction – Morning Session

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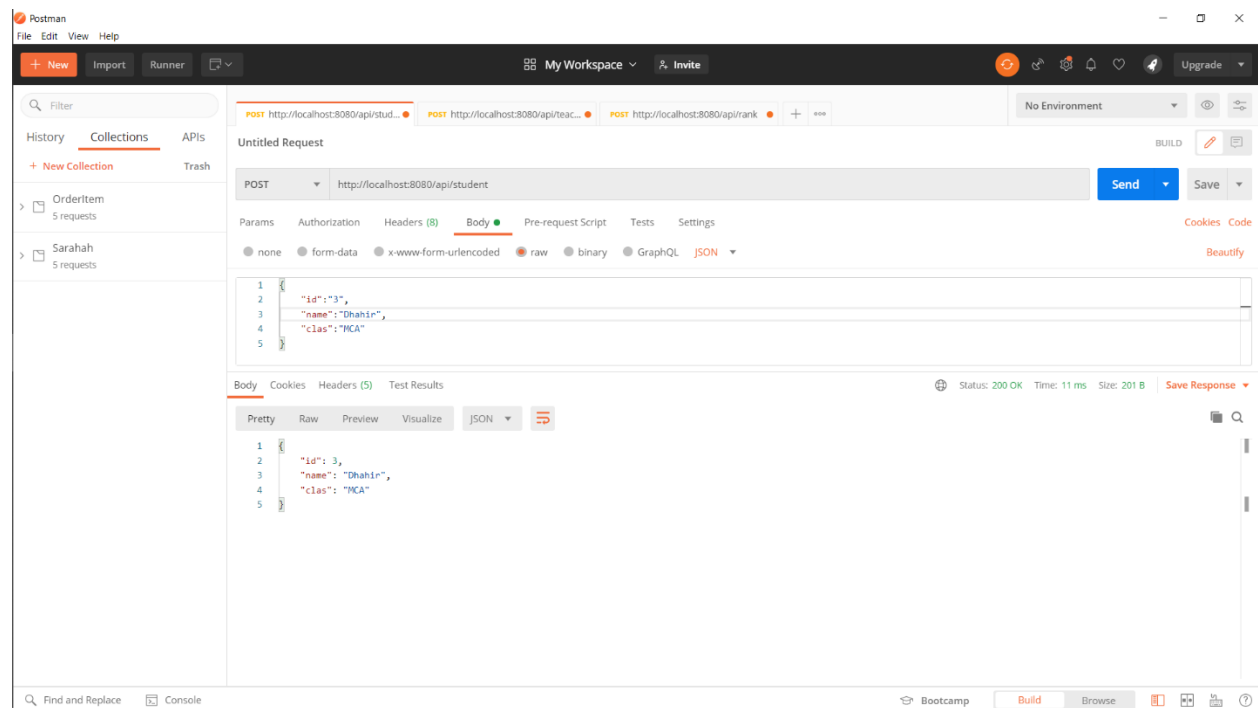
Date: 26/01/2021

<u>We have to create 3 topics and send data to each topics through eclipse</u>

Topics in consumer

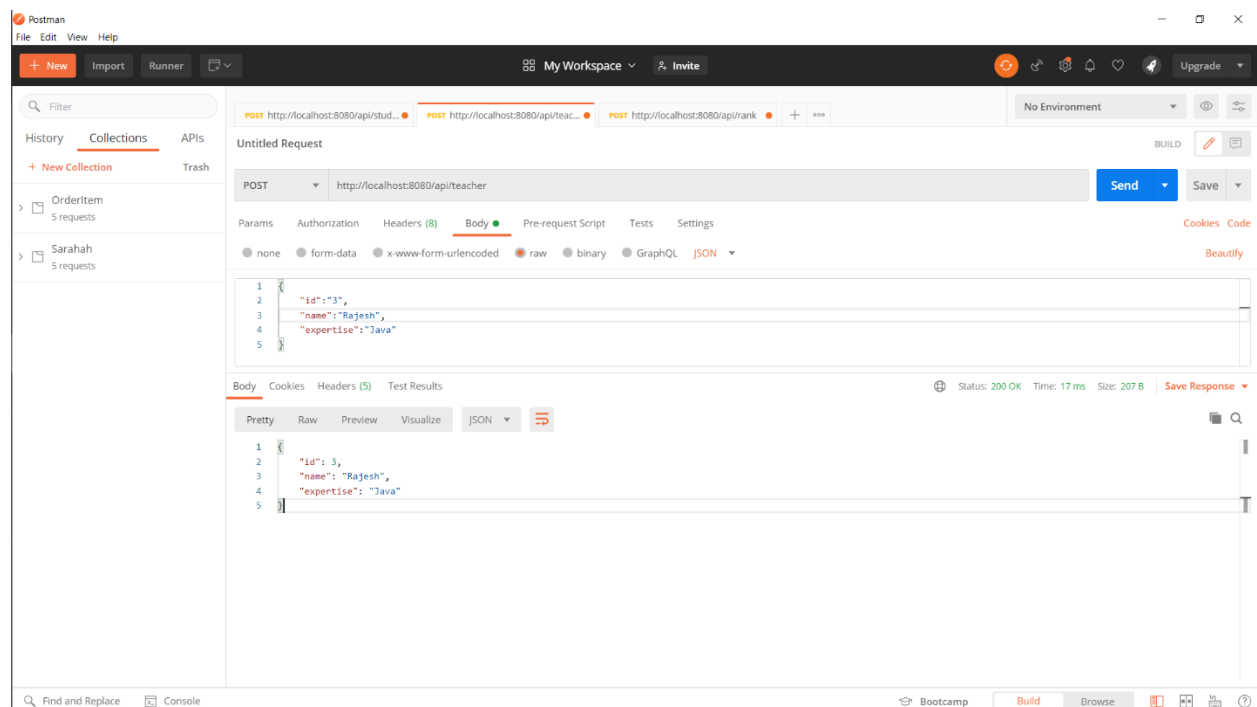## Student api call in producer side

Producer console:

```
2021-01-31 14:27:33.070  INFO 13064 --- [nio-8080-exec-1] o.a.kafka.common.utils.AppInfoParser      : Kafka version: 2.6.0
2021-01-31 14:27:33.073  INFO 13064 --- [nio-8080-exec-1] o.a.kafka.common.utils.AppInfoParser      : Kafka commitId: 62abe01bee039651
2021-01-31 14:27:33.073  INFO 13064 --- [nio-8080-exec-1] o.a.kafka.common.utils.AppInfoParser      : Kafka startTimeMs: 1612083453063
2021-01-31 14:27:33.672  INFO 13064 --- [ad | producer-1] org.apache.kafka.clients.Metadata         : [Producer clientId=producer-1] Cluster ID: ODiH2zBnS6ytHQbFYt1klg
Producer send message in the topic of student
Producer send message in the topic of student
```

Consumer console:

```
2021-01-31 14:25:27.134  INFO 24580 --- [ntainer#0-0-C-1] o.a.k.c.c.internals.ConsumerCoordinator  : [Consumer clientId=consumer-Student-Teacher-Group-2, group]
2021-01-31 14:25:27.149  INFO 24580 --- [ntainer#0-0-C-1] o.a.k.c.c.internals.ConsumerCoordinator  : [Consumer clientId=consumer-Student-Teacher-Group-2, group]
2021-01-31 14:25:27.149  INFO 24580 --- [ntainer#2-0-C-1] o.a.k.c.c.internals.ConsumerCoordinator  : [Consumer clientId=consumer-Student-Teacher-Group-1, group]
2021-01-31 14:25:27.149  INFO 24580 --- [ntainer#1-0-C-1] o.a.k.c.c.internals.ConsumerCoordinator  : [Consumer clientId=consumer-Student-Teacher-Group-3, group]
2021-01-31 14:25:27.150  INFO 24580 --- [ntainer#0-0-C-1] o.s.k.l.KafkaMessageListenerContainer     : Student-Teacher-Group: partitions assigned: [Rank-0]
2021-01-31 14:25:27.150  INFO 24580 --- [ntainer#1-0-C-1] o.s.k.l.KafkaMessageListenerContainer     : Student-Teacher-Group: partitions assigned: [Teacher-0]
2021-01-31 14:25:27.150  INFO 24580 --- [ntainer#2-0-C-1] o.s.k.l.KafkaMessageListenerContainer     : Student-Teacher-Group: partitions assigned: [Student-0]
Student Topic
{"id":1,"name":"Abu","clas":"MCA"}
Student Topic
{"id":2,"name":"Sheik","clas":"MCA"}
Student Topic
{"id":3,"name":"Dhahir","clas":"MCA"}
```

Api call for teacher from producer side

Producer console:

```
        transactional.id = null
        value.serializer = class org.springframework.kafka.support.serializer.JsonSerializer

2021-01-31 14:33:15.117  INFO 15896 --- [nio-8080-exec-2] o.a.kafka.common.utils.AppInfoParser      : Kafka version: 2.6.0
2021-01-31 14:33:15.122  INFO 15896 --- [nio-8080-exec-2] o.a.kafka.common.utils.AppInfoParser      : Kafka commitId: 62abe01bee039651
2021-01-31 14:33:15.122  INFO 15896 --- [nio-8080-exec-2] o.a.kafka.common.utils.AppInfoParser      : Kafka startTimeMs: 1612083795068
2021-01-31 14:33:15.702  INFO 15896 --- [ad | producer-1] org.apache.kafka.clients.Metadata         : [Producer clientId=producer-1] Cluster ID: ODiH2zBnS6ytHQbFYt1klg
Producer send message in the topic of teacher
Producer send message in the topic of teacher
```

Consumer console:

2021-01-31 14:32:53.159 INFO 18144 --- [ntainer#1-0-C-1]
Teacher Topic
{"id":1,"name":"Ramesh","expertise":"C++"}
Teacher Topic
{"id":2,"name":"Suresh","expertise":"Java"}
Teacher Topic
{"id":3,"name":"Rajesh","expertise":"Java"}

Api call for rank from producer side:
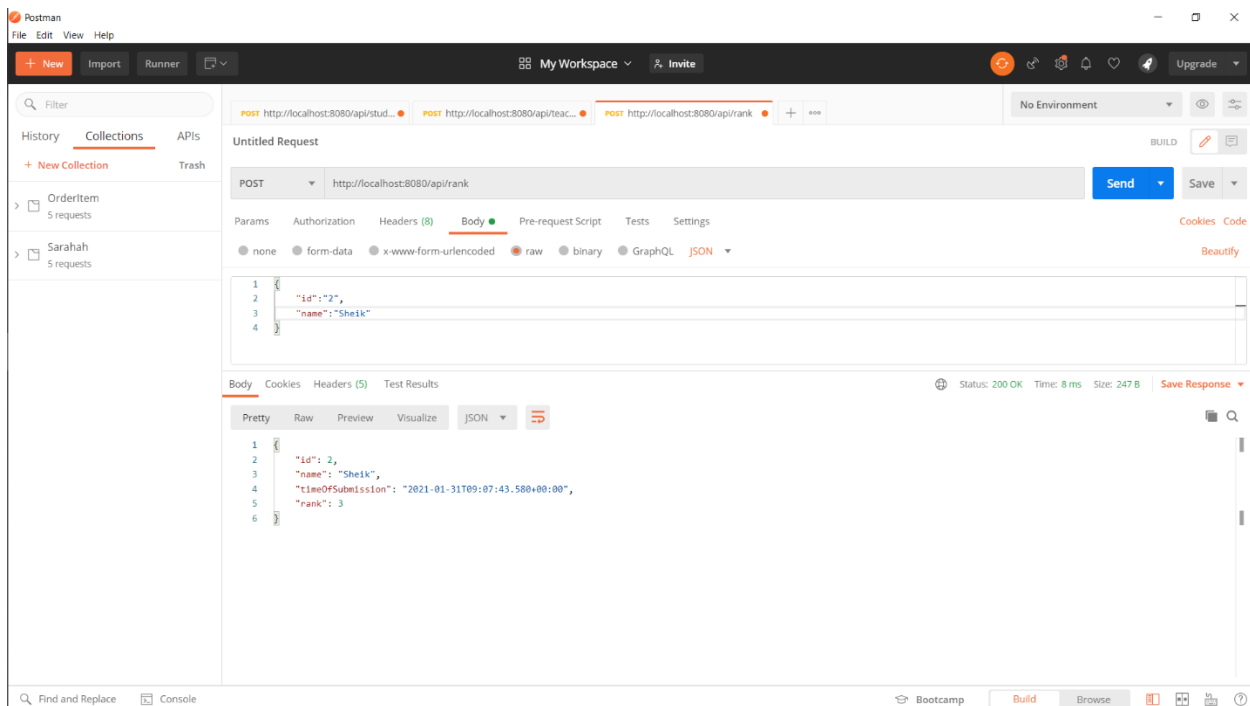
Produce console:

2021-01-31 14:37:16.700 INFO 25720 --- [nio-8080-exec-3] o.a.kafka.common.utils.AppInfoParser   : Kafka version: 2.6.0
2021-01-31 14:37:16.702 INFO 25720 --- [nio-8080-exec-3] o.a.kafka.common.utils.AppInfoParser   : Kafka commitId: 62abe01bee039651
2021-01-31 14:37:16.702 INFO 25720 --- [nio-8080-exec-3] o.a.kafka.common.utils.AppInfoParser   : Kafka startTimeMs: 1612084036698
2021-01-31 14:37:17.845 INFO 25720 --- [ad | producer-1] org.apache.kafka.clients.Metadata   : [Producer clientId=producer-1] Cluster ID: ODiH2zBnS6ytHQbFYt1klg
Producer send message in the topic of rank
Producer send message in the topic of rank

Consumer console: Depends upon time rank could be assigned

2021-01-31 14:37:06.455 INFO 25012 --- [ntainer#0-0-C-1] o.s.k.l.KafkaMessageListenerContainer   : Student-Teacher-Group: partitions assigned: [Teacher-0]
2021-01-31 14:37:06.455 INFO 25012 --- [ntainer#2-0-C-1] o.s.k.l.KafkaMessageListenerContainer   : Student-Teacher-Group: partitions assigned: [Student-0]
2021-01-31 14:37:06.455 INFO 25012 --- [ntainer#1-0-C-1] o.s.k.l.KafkaMessageListenerContainer   : Student-Teacher-Group: partitions assigned: [Rank-0]
Rank Topic
{"id":3,"name":"Dhahir","timeOfSubmission":1612084036612,"rank":1}
Rank Topic
{"id":1,"name":"Abu","timeOfSubmission":1612084048977,"rank":2}
Rank Topic
{"id":2,"name":"Sheik","timeOfSubmission":1612084063580,"rank":3}