

KAFKA-Introduction

Done by Ravi Theja Kolluru

Email ID: ravi.kolluru@accolitedigital.com

Assignment

School processing system

Student-data(ordering is not important) , teachers-data(ordering is not important), rank-assignment(ordering is important)

Topic - Student

Student- data :

(Student name, id, class)

Topic - Teacher

Teacher-data :

(teachers name, id and what is expertise)

Topic - Rank

Rank-assignment : This want to give rank to the student according to the time of their assignment submission.

(student Id, name and the time of submission)

ANSWER

Student

http://localhost:9005/school/student

POST http://localhost:9005/school/student

Params Authorization Headers (8) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```

1  {
2    "name": "Ravi",
3    "id": "1",
4    "subject": "kafka"
5  }

```

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```

1  {
2    "name": "Kolluru",
3    "id": 3,
4    "subject": "Spring"
5  }

```

```

2021-01-31 19:02:09.180 INFO 16140 --- [nio-9005-exec-2] o.a.kafka.common.utils.AppInfoParser : Kafka version: 2.5.0
2021-01-31 19:02:09.180 INFO 16140 --- [nio-9005-exec-2] o.a.kafka.common.utils.AppInfoParser : Kafka commitId: 66563e712b0b9f84
2021-01-31 19:02:09.180 INFO 16140 --- [nio-9005-exec-2] o.a.kafka.common.utils.AppInfoParser : Kafka startTimeMs: 1612099929179
2021-01-31 19:02:09.191 INFO 16140 --- [ad | producer-1] org.apache.kafka.clients.Metadata : [Producer clientId=producer-1] Cluster ID: iZFTbTTaSuydJS8E14A51A
2021-01-31 19:02:09.356 INFO 16140 --- [ntainer#3-0-C-1] c.a.k.a.service.KafkaConsumerService : Student data Received
2021-01-31 19:02:09.356 INFO 16140 --- [ntainer#3-0-C-1] c.a.k.a.service.KafkaConsumerService : Student Id : 1
2021-01-31 19:02:09.356 INFO 16140 --- [ntainer#3-0-C-1] c.a.k.a.service.KafkaConsumerService : Student Name : Ravi
2021-01-31 19:02:09.357 INFO 16140 --- [ntainer#3-0-C-1] c.a.k.a.service.KafkaConsumerService : Student Subject : kafka

```

```

: Student data Received
: Student Id : 2
: Student Name : Theja
: Student Subject : kafka

```

Teacher

The screenshot shows a REST client interface with the following details:

- URL:** http://localhost:9005/school/teacher
- Method:** POST
- Body:**

```

1 {
2   "name": "Vinod",
3   "id": "1",
4   "subject": "ka$ka"
5 }

```
- Status:** 200 OK, Time: 701 ms, Size: 205 B
- Response Body (Pretty):**

```

1 {
2   "name": "Vinod",
3   "id": 1,
4   "subject": "kafka"
5 }

```

```

2021-01-31 19:05:53.395 INFO 16140 --- [nio-9005-exec-6] c.a.k.a.service.KafkaProducerService : Teacher details sent
2021-01-31 19:05:53.885 INFO 16140 --- [ntainer#2-0-C-1] c.a.k.a.service.KafkaConsumerService : Teacher data Received
2021-01-31 19:05:53.885 INFO 16140 --- [ntainer#2-0-C-1] c.a.k.a.service.KafkaConsumerService : Teacher Id : 1
2021-01-31 19:05:53.885 INFO 16140 --- [ntainer#2-0-C-1] c.a.k.a.service.KafkaConsumerService : Teacher Name : Vinod
2021-01-31 19:05:53.885 INFO 16140 --- [ntainer#2-0-C-1] c.a.k.a.service.KafkaConsumerService : Teacher Subject : kafka

```

```

: Teacher details sent
: Teacher data Received
: Teacher Id : 2
: Teacher Name : Sri
: Teacher Subject : Spring

```

Rank

http://localhost:9005/school/rank Save

POST http://localhost:9005/school/rank

Params Authorization Headers (8) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```

1  {
2    "name": "Kolluru",
3    "id": "3"
4  }
5

```

Body Cookies Headers (5) Test Results Status: 200 OK Time: 928 ms Size: 228 B

Pretty Raw Preview Visualize JSON

```

1  {
2    "name": "Kolluru",
3    "id": 3,
4    "date": "2021-01-31T14:09:35.179+00:00"
5  }

```

```

2021-01-31 19:39:35.244 INFO 20472 --- [ntainer#1-0-C-1] c.a.k.a.service.KafKaConsumerService : Rank data Received
2021-01-31 19:39:35.245 INFO 20472 --- [ntainer#1-0-C-1] c.a.k.a.service.KafKaConsumerService : Rank : 1
2021-01-31 19:39:35.245 INFO 20472 --- [ntainer#1-0-C-1] c.a.k.a.service.KafKaConsumerService : Student Id : 3
2021-01-31 19:39:35.245 INFO 20472 --- [ntainer#1-0-C-1] c.a.k.a.service.KafKaConsumerService : Student Name : Kolluru
2021-01-31 19:39:35.245 INFO 20472 --- [ntainer#1-0-C-1] c.a.k.a.service.KafKaConsumerService : Date Submitted : Sun Jan 31 19:39:35 IST 2021

```

```

: Rank data Received
: Rank : 2
: Student Id : 1
: Student Name : Ravi
: Date Submitted : Sun Jan 31 19:40:56 IST 2021

```

```

Rank details sent
Rank data Received
Rank : 3
Student Id : 2
Student Name : Theja
Date Submitted : Sun Jan 31 19:41:44 IST 2021

```
