```
import json
import uuid

from kafka import KafkaProducer, KafkaAdminClient
from kafka.admin.new_topic import NewTopic
from kafka.errors import TopicAlreadyExistsError
```

## **Configuration Parameters**

**TODO:** Change the configuration prameters to the appropriate values for your setup.

```
config = dict(
In [2]:
           bootstrap servers=['kafka.kafka.svc.cluster.local:9092'],
            first name='Josh',
            last name='Greenert'
        config['client id'] = '{}{}'.format(
            config['last name'],
            config['first name']
        config['topic prefix'] = '{}{}'.format(
           config['last name'],
            config['first name']
        config
        {'bootstrap servers': ['kafka.kafka.svc.cluster.local:9092'],
Out[2]:
         'first_name': 'Josh',
         'last name': 'Greenert',
         'client id': 'GreenertJosh',
         'topic prefix': 'GreenertJosh'}
```

## **Create Topic Utility Function**

The create\_kafka\_topic helps create a Kafka topic based on your configuration settings. For instance, if your first name is *John* and your last name is *Doe*, create\_kafka\_topic('locations') will create a topic with the name DoeJohn-locations . The function will not create the topic if it already exists.

```
In [3]: def create_kafka_topic(topic_name, config=config, num_partitions=1, replication_factor=1
    bootstrap_servers = config['bootstrap_servers']
    client_id = config['client_id']
    topic_prefix = config['topic_prefix']
    name = '{}-{}'.format(topic_prefix, topic_name)

admin_client = KafkaAdminClient(
    bootstrap_servers=bootstrap_servers,
    client_id=client_id
)

topic = NewTopic(
    name=name,
    num_partitions=num_partitions,
    replication_factor=replication_factor
)

topic_list = [topic]
    try:
```

```
admin_client.create_topics(new_topics=topic_list)
    print('Created topic "{}"'.format(name))

except TopicAlreadyExistsError as e:
    print('Topic "{}" already exists'.format(name))

create_kafka_topic('locations')
```

Topic "GreenertJosh-locations" already exists

## Kafka Producer

The following code creates a KafkaProducer object which you can use to send Python objects that are serialized as JSON.

**Note:** This producer serializes Python objects as JSON. This means that object must be JSON serializable. As an example, Python DateTime values are not JSON serializable and must be converted to a string (e.g. ISO 8601) or a numeric value (e.g. a Unix timestamp) before being sent.

```
In [4]: producer = KafkaProducer(
   bootstrap_servers=config['bootstrap_servers'],
   value_serializer=lambda x: json.dumps(x).encode('utf-8')
)
```

## **Send Data Function**

The send\_data function sends a Python object to a Kafka topic. This function adds the topic\_prefix to the topic so send\_data('locations', data) sends a JSON serialized message to DoeJohn-locations. The function also registers callbacks to let you know if the message has been sent or if an error has occured.

```
In [5]: def on send success(record metadata):
           print('Message sent:\n Topic: "{}"\n Partition: {}\n
                                                                        Offset: {}'.format(
               record metadata.topic,
               record metadata.partition,
               record metadata.offset
           ) )
        def on send error(excp):
            print('I am an errback', exc info=excp)
            # handle exception
        def send data(topic, data, config=config, producer=producer, msg key=None):
            topic prefix = config['topic prefix']
            topic name = '{}-{}'.format(topic prefix, topic)
            if msg key is not None:
               key = msg key
            else:
               key = uuid.uuid4().hex
            producer.send(
               topic name,
               value=data,
               key=key.encode('utf-8')
            ).add callback(on send success).add errback(on send error)
```

```
In [6]: # Add the data directory to the path.
data_dir = "../../data/processed/bdd/"
```

```
In [7]: # Import spark libraries
          from pyspark.sql import SparkSession
          from pyspark.sql.functions import to json
          from pyspark.sql.types import StructType, StructField, StringType, IntegerType
           # Load locations
          spark = SparkSession.builder.appName("ParquetToLocations").getOrCreate()
          locations df = spark.read.format("parquet").load(data dir + "locations/")
          locations df = locations df.sort("t")
          locations df.show(10)
          Setting default log level to "WARN".
          To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLev
          23/05/07 01:23:05 WARN NativeCodeLoader: Unable to load native-hadoop library for your p
          latform... using builtin-java classes where applicable
                                                                                              (0 + 40) / 40]
          [Stage 2:>
          -----
                  id| ride_id| uuid| timesta offset| course| latitude| longitude| geohash| speed|accuracy|timelapse| filename| t|
          +-----
          ______
          -----
          |58682c5d48cad9d9e...|c9a2b46c9aa515b63...|19b9aa10588646b3b...|1970-01-01 00:25:...| 1.
          525060886522843|299.619140625| 40.76287002542555|-73.96194855681718|dr5ruuwscttz|
                     0.0| 10.0| false|e2f795a7-6a7d-450...| 0.0|
          |85c61911b7fe2ced1...|6760ffa3f41908695...|dad7eae44e784b549...|1970-01-01 00:25:...|1.0
          779125295566454| 158.203125| 40.677641336844|-73.81793000742218|dr5x2jpkmtcy| 2.1199
                              10.0| false|d745b92f-aefd-467...| 0.0|
          |58682c5d48cad9d9e...|c9a2b46c9aa515b63...|19b9aa10588646b3b...|1970-01-01 00:25:...|4.5
          250608865228426|299.619140625| 40.76287038067684|-73.96194937863832|dr5ruuwsctv3|
                     0.0| 10.0| false|e2f795a7-6a7d-450...| 4.5|
          |85c61911b7fe2ced1...|6760ffa3f41908695...|dad7eae44e784b549...|1970-01-01 00:25:...| 5.
          077912529556645| 159.9609375| 40.67788281947438|-73.81804710260948|dr5x2jpmfffw|
                  11.75| 10.0| false|d745b92f-aefd-467...| 4.5|
          |85c61911b7fe2ced1...|6760ffa3f41908695...|dad7eae44e784b549...|1970-01-01 00:25:...| 8.
          077912529556645| 159.609375| 40.67819106396351|-73.81819261244854|dr5x2jppxkqj|13.1499
          99618530273| 10.0| false|d745b92f-aefd-467...| 7.8|
          |58682c5d48cad9d9e...|c9a2b46c9aa515b63...|19b9aa10588646b3b...|1970-01-01 00:25:...| 8.
          525060886522843|299.619140625| 40.76286948909357|-73.96194731609269|dr5ruuwsctwq|
                              10.0|
                                          false|e2f795a7-6a7d-450...| 7.8|
          |58682c5d48cad9d9e...|c9a2b46c9aa515b63...|19b9aa10588646b3b...|1970-01-01 00:25:...|11.
          525060886522843|299.619140625|40.762862338920996|-73.96193077522916|dr5ruuwsfh71|1.50999
          99904632568| 10.0| false|e2f795a7-6a7d-450...|10.6|
          |85c61911b7fe2ced1...|6760ffa3f41908695...|dad7eae44e784b549...|1970-01-01 00:25:...|11.
          077912529556645| 159.609375|40.678531159684695|-73.81836075342616|dr5x2jr1eebd|13.8000
          00190734863| 10.0| false|d745b92f-aefd-467...|10.6|
          |85c61911b7fe2ced1...|6760ffa3f41908695...|dad7eae44e784b549...|1970-01-01 00:25:...|12.
          077912529556645 | 161.015625 | 40.678637903221585 | -73.81842395297608 | dr5x2jr44p9x | 14.2100 | dr5x2jr44p9x | 14.2100 | dr5x2jr44p9x | 14.2100 | dr5x2jr44p9x | dr5x2j
          00038146973| 10.0| false|d745b92f-aefd-467...|10.6|
          |58682c5d48cad9d9e...|c9a2b46c9aa515b63...|19b9aa10588646b3b...|1970-01-01 00:25:...|15.
          525060886522843|299.619140625| 40.76281643742535|-73.96182458892834|dr5ruuwssedr| 4.469
          99979019165| 10.0| false|e2f795a7-6a7d-450...|14.9|
          ______
          -----
          only showing top 10 rows
```

```
# push the location objects to a json object
 In [9]:
             locations json = locations df.toJSON().collect()
             locations json[:10]
             ['{"id":"85c61911b7fe2ced1000c33c9e932706","ride id":"6760ffa3f41908695d1405b776c3e8d
 Out[9]:
            5", "uuid": "dad7eae44e784b549c8c5a3aa051a8c7", "timestamp": "1970-01-01T00:25:07.320Z", "off
            set":1.0779125295566454, "course":158.203125, "latitude":40.677641336844, "longitude":-73.8
            1793000742218, "geohash": "dr5x2jpkmtcy", "speed": 2.119999885559082, "accuracy": 10.0, "timela
            pse":false,"filename":"d745b92f-aefd-467d-9121-7a71308e8d6d.mov","t":0.0}',
              '{"id":"58682c5d48cad9d9e103431d773615bf","ride id":"c9a2b46c9aa515b632eddc45c486848
            2", "uuid": "19b9aa10588646b3bf22c9b4865a7995", "timestamp": "1970-01-01T00:25:03.882Z", "off
            set":1.525060886522843, "course":299.619140625, "latitude":40.76287002542555, "longitude":-
            73.96194855681718, "geohash": "dr5ruuwscttz", "speed": 0.0, "accuracy": 10.0, "timelapse": fals
            e, "filename": "e2f795a7-6a7d-4500-b5d7-4569de996811.mov", "t":0.0}',
              '{"id":"85c61911b7fe2ced1000c33c9e932706","ride id":"6760ffa3f41908695d1405b776c3e8d
            5", "uuid": "dad7eae44e784b549c8c5a3aa051a8c7", "timestamp": "1970-01-01T00:25:07.320Z", "off
            set":5.077912529556645, "course":159.9609375, "latitude":40.67788281947438, "longitude":-7
            3.81804710260948, "geohash": "dr5x2jpmfffw", "speed": 11.75, "accuracy": 10.0, "timelapse": fals
            e, "filename": "d745b92f-aefd-467d-9121-7a71308e8d6d.mov", "t":4.5}',
              '{"id":"58682c5d48cad9d9e103431d773615bf","ride id":"c9a2b46c9aa515b632eddc45c486848
            2", "uuid": "19b9aa10588646b3bf22c9b4865a7995", "timestamp": "1970-01-01T00:25:03.882Z", "off
            set":4.5250608865228426,"course":299.619140625,"latitude":40.76287038067684,"longitude":
            -73.96194937863832, "geohash": "dr5ruuwsctv3", "speed": 0.0, "accuracy": 10.0, "timelapse": fals
            e, "filename": "e2f795a7-6a7d-4500-b5d7-4569de996811.mov", "t":4.5}',
              '{"id":"85c61911b7fe2ced1000c33c9e932706","ride id":"6760ffa3f41908695d1405b776c3e8d
            5", "uuid": "dad7eae44e784b549c8c5a3aa051a8c7", "timestamp": "1970-01-01T00:25:07.320Z", "off
            set":8.077912529556645, "course":159.609375, "latitude":40.67819106396351, "longitude":-73.
            81819261244854, "geohash": "dr5x2jppxkqj", "speed": 13.149999618530273, "accuracy": 10.0, "time
            lapse":false, "filename": "d745b92f-aefd-467d-9121-7a71308e8d6d.mov", "t":7.8}',
              '{"id":"58682c5d48cad9d9e103431d773615bf","ride id":"c9a2b46c9aa515b632eddc45c486848
            2", "uuid": "19b9aa10588646b3bf22c9b4865a7995", "timestamp": "1970-01-01T00:25:03.882Z", "off
            set":8.525060886522843, "course":299.619140625, "latitude":40.76286948909357, "longitude":-
            73.96194731609269, "geohash": "dr5ruuwsctwg", "speed": 0.0, "accuracy": 10.0, "timelapse": fals
            e, "filename": "e2f795a7-6a7d-4500-b5d7-4569de996811.mov", "t":7.8}',
              '{"id":"85c61911b7fe2ced1000c33c9e932706","ride id":"6760ffa3f41908695d1405b776c3e8d
            5", "uuid": "dad7eae44e784b549c8c5a3aa051a8c7", "timestamp": "1970-01-01T00:25:07.320Z", "off
            set":11.077912529556645, "course":159.609375, "latitude":40.678531159684695, "longitude":-7
            3.81836075342616, "geohash": "dr5x2jr1eebd", "speed": 13.800000190734863, "accuracy": 10.0, "ti
            melapse":false,"filename":"d745b92f-aefd-467d-9121-7a71308e8d6d.mov","t":10.6}',
              '{"id":"85c61911b7fe2ced1000c33c9e932706","ride id":"6760ffa3f41908695d1405b776c3e8d
            5", "uuid": "dad7eae44e784b549c8c5a3aa051a8c7", "timestamp": "1970-01-01T00:25:07.320Z", "off
            set":12.077912529556645,"course":161.015625,"latitude":40.678637903221585,"longitude":-7
            3.81842395297608, "geohash": "dr5x2jr44p9x", "speed": 14.210000038146973, "accuracy": 10.0, "ti
            melapse":false,"filename":"d745b92f-aefd-467d-9121-7a71308e8d6d.mov","t":10.6}',
              '{"id":"58682c5d48cad9d9e103431d773615bf","ride id":"c9a2b46c9aa515b632eddc45c486848
            2", "uuid": "19b9aa10588646b3bf22c9b4865a7995", "timestamp": "1970-01-01T00:25:03.882Z", "off
            set":11.525060886522843, "course":299.619140625, "latitude":40.762862338920996, "longitud
            e":-73.96193077522916, "geohash": "dr5ruuwsfh71", "speed":1.5099999904632568, "accuracy":10.
            0, "timelapse": false, "filename": "e2f795a7-6a7d-4500-b5d7-4569de996811.mov", "t": 10.6 \}', timelapse": false, "filename": "e2f795a7-6a7d-4500-b5d7-4569de996811.mov", "t": 10.6 \}', timelapse (false) false, "filename": "e2f795a7-6a7d-4569de996811.mov", "t": 10.6 \}', timelapse (false) false, "filename": "e2f795a7-6a7d-4500-b5d7-4569de996811.mov", "t": 10.6 \}', timelapse (false) false, "filename": "e2f795a7-6a7d-4500-b5d7-4569de996811.mov", "t": 10.6 \}', timelapse (false) false, "filename": "e2f795a7-6a7d-4569de996811.mov", "t": 10.6 \}', timelapse (false) false, "filename", "filename"
              '{"id":"85c61911b7fe2ced1000c33c9e932706","ride id":"6760ffa3f41908695d1405b776c3e8d
            5", "uuid": "dad7eae44e784b549c8c5a3aa051a8c7", "timestamp": "1970-01-01T00:25:07.320Z", "off
            set":15.077912529556645,"course":161.3671875,"latitude":40.67896198950771,"longitude":-7
             3.8185656909587, "geohash": "dr5x2jqunspu", "speed": 10.90999984741211, "accuracy": 10.0, "time
            lapse":false, "filename": "d745b92f-aefd-467d-9121-7a71308e8d6d.mov", "t":14.9}']
             # Send the data to the consumer?
In [11]:
             for row in locations json:
```

t locations df[:10]

Out[8]:

[0.0, 0.0, 4.5, 4.5, 7.8, 7.8, 10.6, 10.6, 10.6, 14.9]

send data("locations", json.loads(row))

Topic: "GreenertJosh-locations"

Message sent:

```
Offset: 0
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 1
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 2
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 3
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 4
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 5
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 6
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 7
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 8
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 9
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 10
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 11
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 12
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 13
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 14
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 15
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 16
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 17
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 18
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 19
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 20
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 21
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 22
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 23
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 24
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 25
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 26
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 27
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 28
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 29
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 30
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 31
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 32
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 33
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 34
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 35
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 36
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 37
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 38
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 39
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 40
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 41
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 42
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 43
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 44
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 45
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 46
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 47
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 48
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 49
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 50
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 51
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 52
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 53
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 54
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 55
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 56
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 57
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 58
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 59
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 60
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 61
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 62
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 63
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 64
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 65
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 66
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 67
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 68
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 69
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 70
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 71
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 72
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 73
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 74
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 75
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 76
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 77
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 78
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 79
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 80
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 81
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 82
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 83
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 84
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 85
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 86
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 87
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Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 368
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 369
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 370
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 371
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 372
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 373
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 374
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 375
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 376
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 377
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 378
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 379
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 380
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 381
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 382
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 383
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 384
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 385
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 386
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 387
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 388
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 389
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 390
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 391
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 392
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 393
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 394
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 395
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 396
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 397
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 398
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 399
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 400
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 401
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 402
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 403
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 404
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 405
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 406
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 407
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 408
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 409
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 410
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 411
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 412
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 413
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 414
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 415
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 416
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 417
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 418
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 419
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 420
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 421
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 422
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 423
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 424
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 425
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 426
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 427
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 428
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 429
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 430
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 431
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 432
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 433
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 434
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 435
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 436
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 437
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 438
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 439
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 440
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 441
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 442
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 443
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 444
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 445
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 446
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 447
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 448
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 449
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 450
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 451
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 452
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 453
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 454
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 455
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 456
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 457
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 458
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 459
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 460
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 461
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 462
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 463
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 464
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 465
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 466
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 467
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 468
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 469
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 470
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 471
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 472
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 473
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 474
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 475
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 476
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 477
```

```
for row in list(zip(locations json, t locations df)):
             heapq.heappush(heap, (time.time() + row[1], row[0]))
In [14]: # Loop over the objects in heap in order of timing
         while heap:
             next obj = heap[0]
             next time = next obj[0]
             if time.time() >= next time:
                 obj = heapq.heappop(heap)[1]
                 send data('locations', obj)
             # Add some sleep time to avoid errors
             time.sleep(0.1)
        Message sent:
             Topic: "GreenertJosh-locations"
             Partition: 0
            Offset: 478
         Message sent:
             Topic: "GreenertJosh-locations"
            Partition: 0
            Offset: 479
         Message sent:
             Topic: "GreenertJosh-locations"
             Partition: 0
             Offset: 480
        Message sent:
             Topic: "GreenertJosh-locations"
             Partition: 0
            Offset: 481
        Message sent:
             Topic: "GreenertJosh-locations"
            Partition: 0
            Offset: 482
         Message sent:
             Topic: "GreenertJosh-locations"
            Partition: 0
             Offset: 483
        Message sent:
            Topic: "GreenertJosh-locations"
             Partition: 0
             Offset: 484
         Message sent:
             Topic: "GreenertJosh-locations"
             Partition: 0
            Offset: 485
         Message sent:
             Topic: "GreenertJosh-locations"
             Partition: 0
            Offset: 486
         Message sent:
             Topic: "GreenertJosh-locations"
             Partition: 0
             Offset: 487
         Message sent:
             Topic: "GreenertJosh-locations"
             Partition: 0
            Offset: 488
        Message sent:
             Topic: "GreenertJosh-locations"
             Partition: 0
             Offset: 489
```

heap = []

Message sent:

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 490
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 491
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 492
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 493
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 494
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 495
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 496
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 497
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 498
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 499
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 500
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 501
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 502
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 503
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 504
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 505
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 506
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 507
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 508
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 509
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 510
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 511
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 512
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 513
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 514
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 515
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 516
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 517
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 518
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 519
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 520
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 521
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 522
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 523
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 524
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 525
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 526
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 527
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 528
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 529
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 530
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 531
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 532
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 533
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 534
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 535
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 536
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 537
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 538
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 539
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 540
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 541
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 542
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 543
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 544
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 545
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 546
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 547
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 548
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 549
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 550
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 551
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 552
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 553
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 554
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 555
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 556
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 557
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 558
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 559
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 560
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 561
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 562
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 563
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 564
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 565
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 566
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 567
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 568
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 569
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 570
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 571
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 572
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 573
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 574
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 575
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 576
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 577
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 578
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 579
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 580
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 581
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 582
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 583
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 584
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 585
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 586
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 587
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 588
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 589
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 590
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 591
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 592
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 593
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 594
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 595
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 596
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 597
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 598
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 599
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 600
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 601
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 602
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 603
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 604
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 605
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 606
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 607
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 608
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 609
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 610
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 611
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 612
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 613
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 614
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 615
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 616
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 617
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 618
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 619
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 620
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 621
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 622
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 623
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 624
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 625
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 626
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 627
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 628
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 629
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 630
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 631
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 632
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 633
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 634
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 635
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 636
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 637
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 638
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 639
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 640
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 641
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 642
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 643
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 644
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 645
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 646
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 647
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 648
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 649
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 650
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 651
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 652
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 653
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 654
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 655
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 656
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 657
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 658
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 659
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 660
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 661
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 662
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 663
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 664
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 665
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 666
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 667
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 668
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 669
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 670
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 671
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 672
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 673
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 674
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 675
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 676
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 677
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 678
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 679
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 680
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 681
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 682
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 683
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 684
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 685
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 686
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 687
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 688
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 689
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 690
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 691
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 692
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 693
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 694
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 695
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 696
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 697
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 698
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 699
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 700
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 701
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 702
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 703
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 704
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 705
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 706
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 707
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 708
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 709
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 710
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 711
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 712
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 713
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 714
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 715
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 716
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 717
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 718
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 719
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 720
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 721
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 722
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 723
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 724
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 725
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 726
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 727
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 728
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 729
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 730
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 731
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 732
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 733
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 734
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 735
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 736
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 737
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 738
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 739
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 740
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 741
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 742
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 743
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 744
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 745
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 746
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 747
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 748
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 749
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 750
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 751
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 752
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 753
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 754
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 755
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 756
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 757
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 758
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 759
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 760
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 761
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 762
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 763
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 764
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 765
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 766
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 767
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 768
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 769
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 770
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 771
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 772
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 773
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 774
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 775
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 776
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 777
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 778
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 779
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 780
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 781
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 782
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 783
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 784
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 785
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 786
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 787
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 788
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 789
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 790
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 791
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 792
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 793
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 794
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 795
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 796
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 797
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 798
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 799
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 800
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 801
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 802
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
```

```
Offset: 803
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 804
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 805
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 806
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 807
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 808
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 809
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 810
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 811
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 812
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 813
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 814
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 815
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 816
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 817
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 818
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 819
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 820
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 821
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 822
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 823
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 824
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 825
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 826
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 827
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 828
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 829
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 830
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 831
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 832
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 833
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 834
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 835
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 836
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 837
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 838
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 839
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 840
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 841
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 842
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 843
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 844
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 845
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 846
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 847
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 848
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 849
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 850
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 851
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 852
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 853
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 854
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 855
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 856
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 857
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 858
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 859
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 860
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 861
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 862
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 863
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 864
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 865
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 866
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 867
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 868
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 869
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 870
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 871
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 872
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 873
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 874
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 875
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 876
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 877
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 878
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 879
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 880
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 881
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 882
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 883
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 884
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 885
Message sent:
```

```
Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 886
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 887
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 888
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 889
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 890
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 891
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 892
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 893
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 894
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 895
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 896
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 897
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 898
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 899
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 900
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 901
Message sent:
    Topic: "GreenertJosh-locations"
```

```
Offset: 902
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 903
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 904
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 905
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 906
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 907
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 908
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 909
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 910
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 911
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 912
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 913
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 914
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 915
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 916
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 917
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 918
Message sent:
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Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 919
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 920
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 921
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 922
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 923
Message sent:
   Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 924
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    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 925
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    Topic: "GreenertJosh-locations"
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    Topic: "GreenertJosh-locations"
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    Topic: "GreenertJosh-locations"
    Partition: 0
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    Partition: 0
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Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 930
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 931
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
   Offset: 932
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
   Offset: 933
Message sent:
    Topic: "GreenertJosh-locations"
   Partition: 0
    Offset: 934
Message sent:
    Topic: "GreenertJosh-locations"
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Offset: 935
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 936
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
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    Topic: "GreenertJosh-locations"
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Message sent:
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    Offset: 940
Message sent:
    Topic: "GreenertJosh-locations"
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    Topic: "GreenertJosh-locations"
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    Topic: "GreenertJosh-locations"
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    Offset: 945
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    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 946
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 947
Message sent:
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    Offset: 948
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 949
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 950
Message sent:
    Topic: "GreenertJosh-locations"
    Partition: 0
    Offset: 951
Message sent:
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Topic: "GreenertJosh-locations"
Partition: 0
Offset: 952

Message sent:
Topic: "GreenertJosh-locations"
Partition: 0
Offset: 953

Message sent:
Topic: "GreenertJosh-locations"
Partition: 0
Offset: 954

Message sent:
Topic: "GreenertJosh-locations"
Partition: 0
Offset: 955
```

## **Load Accelerations**

```
In [15]: # Load the data from the data directory
         spark = SparkSession.builder.appName("ParquetToAccelerations").getOrCreate()
         accelerations df = spark.read.format("parquet").load(data dir + "accelerations/")
         accelerations df = accelerations df.sort("t")
         # collect the accellerations data.
         t accelerations df = [row.t for row in accelerations df.select("t").collect()]
         accelerations json = locations df.toJSON().collect()
         # Loop over the data to send it back to the consumer
         for row in accelerations json:
             send data("accelerations", json.loads(row))
         23/05/07 01:31:40 WARN SparkSession: Using an existing Spark session; only runtime SQL c
         onfigurations will take effect.
        Message sent:
            Topic: "GreenertJosh-accelerations"
            Partition: 0
            Offset: 0
         Message sent:
            Topic: "GreenertJosh-accelerations"
            Partition: 0
            Offset: 1
         Message sent:
            Topic: "GreenertJosh-accelerations"
            Partition: 0
            Offset: 2
         Message sent:
            Topic: "GreenertJosh-accelerations"
            Partition: 0
            Offset: 3
        Message sent:
            Topic: "GreenertJosh-accelerations"
            Partition: 0
            Offset: 4
        Message sent:
            Topic: "GreenertJosh-accelerations"
            Partition: 0
            Offset: 5
        Message sent:
            Topic: "GreenertJosh-accelerations"
            Partition: 0
            Offset: 6
         Message sent:
            Topic: "GreenertJosh-accelerations"
            Partition: 0
```

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Offset: 7
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 8
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 9
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 10
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 11
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 12
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 13
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 14
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 15
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 16
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 17
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 18
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 19
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 20
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 21
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 22
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 23
Message sent:
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Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 24
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 25
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 26
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 27
Message sent:
    Topic: "GreenertJosh-accelerations"
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    Offset: 28
Message sent:
   Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 29
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 30
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 31
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 32
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 33
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
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Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
   Offset: 35
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 36
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 37
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
   Offset: 38
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
    Offset: 39
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
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Offset: 40
Message sent:
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    Partition: 0
    Offset: 41
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 42
Message sent:
    Topic: "GreenertJosh-accelerations"
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Message sent:
    Topic: "GreenertJosh-accelerations"
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    Offset: 44
Message sent:
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Message sent:
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Message sent:
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Message sent:
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Message sent:
    Topic: "GreenertJosh-accelerations"
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    Topic: "GreenertJosh-accelerations"
    Partition: 0
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Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 52
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 53
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 54
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 55
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 56
Message sent:
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Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 57
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 58
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 59
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
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Message sent:
    Topic: "GreenertJosh-accelerations"
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    Offset: 61
Message sent:
   Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 62
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 63
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 64
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 65
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 66
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 67
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
   Offset: 68
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 69
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 70
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
   Offset: 71
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
    Offset: 72
Message sent:
    Topic: "GreenertJosh-accelerations"
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Offset: 73
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 74
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 75
Message sent:
    Topic: "GreenertJosh-accelerations"
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Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 77
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
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Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 79
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 80
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 81
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 82
Message sent:
    Topic: "GreenertJosh-accelerations"
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    Offset: 83
Message sent:
    Topic: "GreenertJosh-accelerations"
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Message sent:
    Topic: "GreenertJosh-accelerations"
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    Offset: 85
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 86
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 87
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 88
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 89
Message sent:
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Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 90
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 91
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 92
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 93
Message sent:
    Topic: "GreenertJosh-accelerations"
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    Offset: 94
Message sent:
   Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 95
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 96
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    Topic: "GreenertJosh-accelerations"
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   Offset: 97
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    Topic: "GreenertJosh-accelerations"
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Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 99
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 100
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
   Offset: 101
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 102
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 103
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
   Offset: 104
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
    Offset: 105
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
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Offset: 106
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 107
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
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    Topic: "GreenertJosh-accelerations"
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    Topic: "GreenertJosh-accelerations"
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    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 111
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    Topic: "GreenertJosh-accelerations"
    Partition: 0
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Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
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    Topic: "GreenertJosh-accelerations"
    Partition: 0
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    Topic: "GreenertJosh-accelerations"
    Partition: 0
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    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 116
Message sent:
    Topic: "GreenertJosh-accelerations"
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    Offset: 117
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 118
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 119
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 120
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 121
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 122
Message sent:
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Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 123
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 124
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 125
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 126
Message sent:
    Topic: "GreenertJosh-accelerations"
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    Offset: 127
Message sent:
   Topic: "GreenertJosh-accelerations"
    Partition: 0
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Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 129
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 130
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 131
Message sent:
    Topic: "GreenertJosh-accelerations"
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Message sent:
    Topic: "GreenertJosh-accelerations"
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    Topic: "GreenertJosh-accelerations"
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Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 135
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 136
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
   Offset: 137
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
    Offset: 138
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
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Offset: 139
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 140
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 141
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 142
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 143
Message sent:
    Topic: "GreenertJosh-accelerations"
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Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
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    Topic: "GreenertJosh-accelerations"
    Partition: 0
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    Topic: "GreenertJosh-accelerations"
    Partition: 0
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Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 150
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 151
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 152
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 153
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 154
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 155
Message sent:
```

```
Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 156
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 157
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 158
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 159
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
    Offset: 160
Message sent:
   Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 161
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 162
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 163
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 164
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 165
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 166
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
   Offset: 167
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 168
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 169
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
   Offset: 170
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
    Offset: 171
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
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Offset: 172
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 173
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 174
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 175
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 176
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 177
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 178
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 179
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 180
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 181
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 182
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
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Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
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    Topic: "GreenertJosh-accelerations"
    Partition: 0
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Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
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Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 187
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 188
Message sent:
```

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Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 189
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 190
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 191
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 192
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
    Offset: 193
Message sent:
   Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 194
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 195
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 196
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 197
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 198
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 199
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
   Offset: 200
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 201
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
   Offset: 202
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
   Offset: 203
Message sent:
    Topic: "GreenertJosh-accelerations"
   Partition: 0
    Offset: 204
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
```

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Offset: 205
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 206
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 207
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 208
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 209
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 210
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 211
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 212
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
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Message sent:
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    Offset: 474
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 475
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 476
Message sent:
    Topic: "GreenertJosh-accelerations"
    Partition: 0
    Offset: 477
```

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