Assignment 4.2

Start Kafka using docker-compose and:
1. Create a topic.
2. List Kafka topics.
3. Inspect one of them to see the number of partitions.

First start the docker compose server

```
osamaabdulrazzak@all-MS-7D35:~/Desktop/Assignment 4.2$ docker compose down
osamaabdulrazzak@all-MS-7D35:~/Desktop/Assignment 4.2$ docker compose up -d
[+] Running 3/3
 ✓ Network assignment42_default  Created
 ✓ Container zookeeper           Started
 ✓ Container broker              Started
```

then create four topics with different number of partitions

```
osamaabdulrazzak@all-MS-7D35:~/Desktop/Assignment 4.2$ ./create_kafka_topic.sh events
Created topic Class-activity-event-0.
Created topic Class-activity-event-1.
Created topic Class-activity-event-2.
Created topic Class-activity-event-3.
osamaabdulrazzak@all-MS-7D35:~/Desktop/Assignment 4.2$
```

for observing the list of four server we type following command

docker compose exec broker kafka-topics --list --bootstrap-server broker:9092

```
osamaabdulrazzak@all-MS-7D35:~/Desktop/Assignment 4.2$ docker compose exec broker kafka-topics --list --bootstrap-server broker:9092
Class-activity-event-0
Class-activity-event-1
Class-activity-event-2
Class-activity-event-3
```

to observing the partition we type following command

docker compose exec broker kafka-topics --describe --bootstrap-server broker:9092

then we inpect any one of partition

docker compose exec broker kafka-topics --topic Class-activity-event-3 --describe --bootstrap-server broker:9092

we also run those command in .sh file

and for your reference we also provide .sh and and readme.md file