## **HOMEWORK 4**

## 1. What if you have 5 brokers and 2 go down?

Firstly, I start the Kafka server and I run the 5 brokers, the consumer et the producer.

After, I try to send "Hello World" from the producer to the consumer. We can observe with the screenshot below that is works great.

```
>Hello World! -> 5 Broker Work!
>3 Broker Up & 2 down!

10./home/mobaxterm/Desktop/kafka_2.11-1.0.0 — X

Re-attach % Fullscreen Stay on top Duplicate 🗹 🔍 🖳 🚽 Hide toolbar

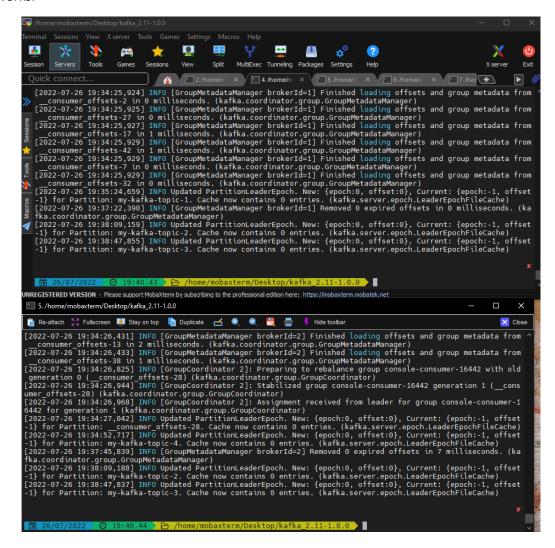
**Close**

ello World! -> 5 Broker Work!

Broker Up & 2 down!

Broker Up & 2 down!
```

Secondly, I kill 2 brokers over 5 and I repeat the previous test. Thanks to the screenshot below, you can certify that it still works.



## 2. What happens if another broker goes down?

I kill another broker and I observe that the system do not work anymore. It certainly because the replication factor is equal to 3.

## 3. What if you changed the replication factor for your topic?

If I change the replication factor, It will change the minimum number of broker needed to be able to send a message.