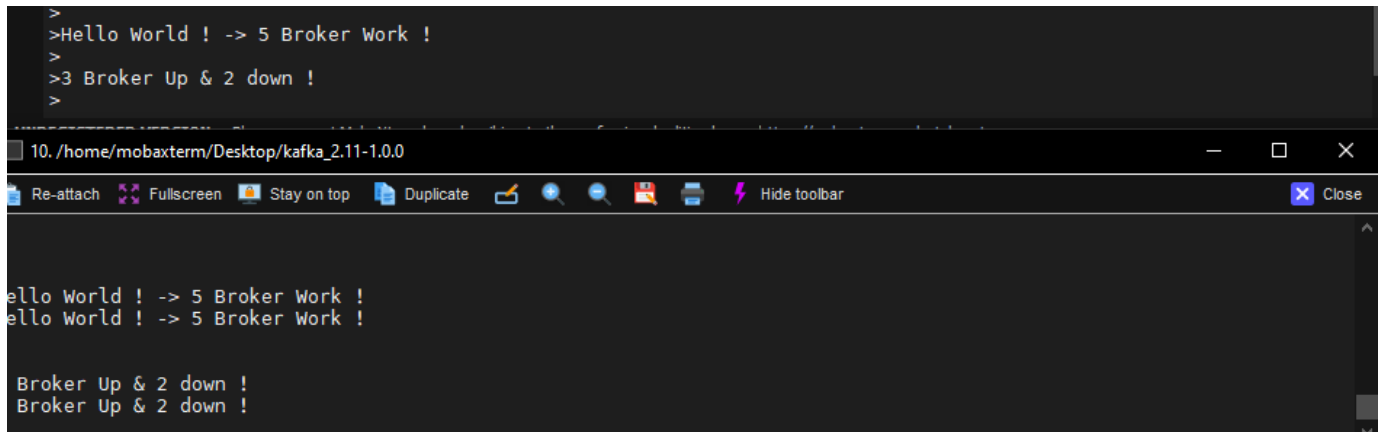# HOMEWORK 4

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.
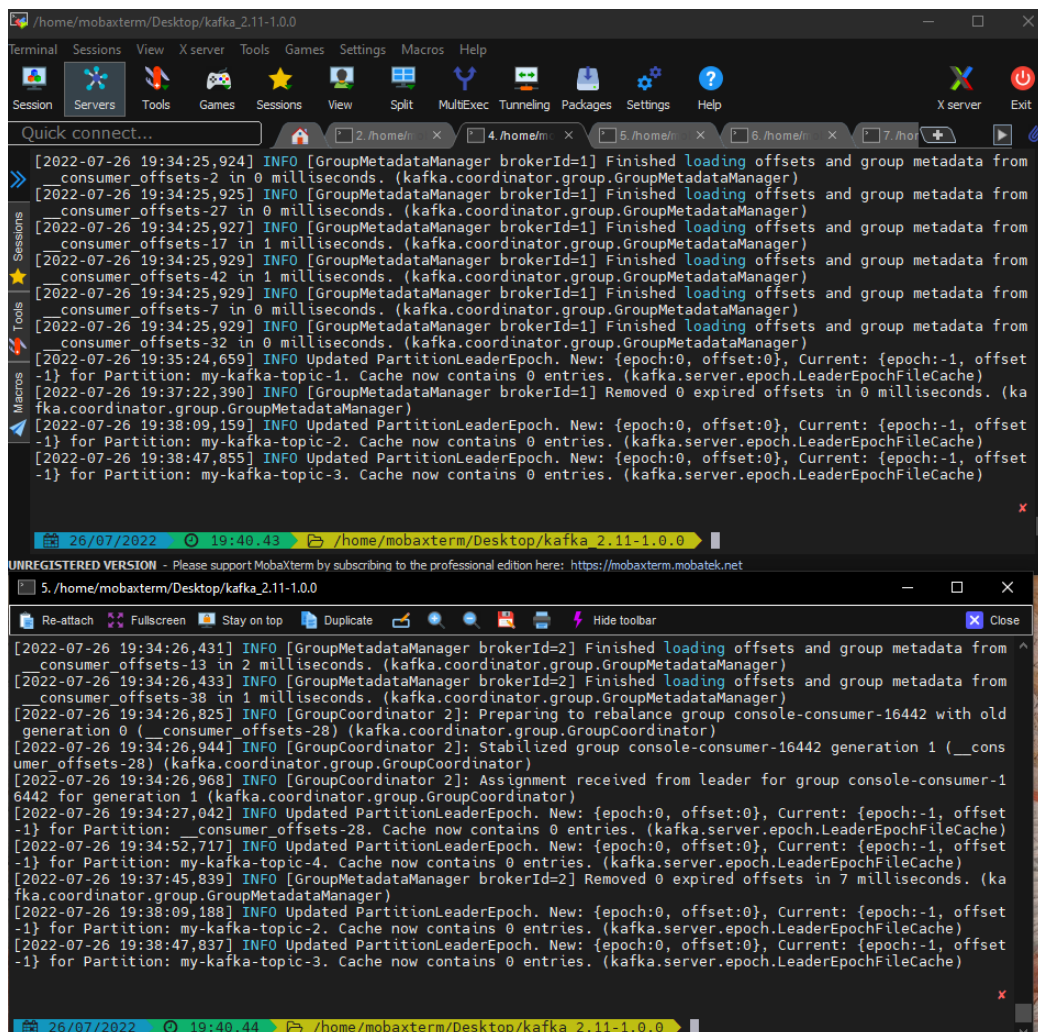

Secondly, I kill 2 brokers over 5 and I repeat the previous test. Thanks to the screenshot below, you can certify that it still works.

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.