

## Homework Kafka

Buatlah Produser dan Konsumer Kafka dengan topic: "topik\_<nama>"

Dalam Console Produser, Kirim pesan berupa covid json (100 line teratas).

Dalam Console Konsumer, Terima pesan dari Produser dan simpan sebagai json new line delimited file.

Screenshot:

- Console Produser
- Console Consumer

Sertakan:

- Json result

command on producer(create topic+run)

```
bin/kafka-topics.sh --create --topic topik_jilli --bootstrap-server localhost:9092
```

```
bin/kafka-console-producer.sh --topic topik_jilli --bootstrap-server localhost:9092
```

command on consumer

```
bin/kafka-console-consumer.sh --topic topik_jilli --bootstrap-server localhost:9092 > consumer_jil.log
```

- Console Produser

```
root@ubuntu-s-lvcpu-2gb-sgpl-01:~/kafka# bin/kafka-topics.sh --create --topic topik_jilli --bootstrap-server localhost:9092
WARNING: Due to limitations in metric names, topics with a period ('.') or underscore ('_') could collide. To avoid issues it is best to use either, but not both.
Created topic topik_jilli.
root@ubuntu-s-lvcpu-2gb-sgpl-01:~/kafka# bin/kafka-console-producer.sh --topic topik_jilli --bootstrap-server localhost:9092
>
```

- Console Consumer (diexport kedalam bentuk file log)

```
root@ubuntu-s-lvcpu-2gb-sgpl-01:~/kafka# bin/kafka-console-consumer.sh --topic t
opik_jilli --bootstrap-server localhost:9092 > consumer_jil.log
```

- Json result (result diexport kedalam bentuk file log)

```
root@ubuntu-s-lvcpu-2gb-sgpl-01:~/kafka# ls
LICENSE NOTICE bin config consumer_jil.log libs licenses logs site-docs
root@ubuntu-s-lvcpu-2gb-sgpl-01:~/kafka#
root@ubuntu-s-lvcpu-2gb-sgpl-01:~/kafka#
root@ubuntu-s-lvcpu-2gb-sgpl-01:~/kafka#
```

Capture json output dari consumer

```
ry_territory_code": "IDN", "pop_data_2019": "270625567"}
{ "date": "2020-04-12", "day": "12", "month": "4", "year": "2020", "daily_c
onfirmed_cases": "330", "daily_deaths": "21", "confirmed_cases": "3842", "dea
ths": "327", "countries_and_territories": "Indonesia", "geo_id": "ID", "count
ry_territory_code": "IDN", "pop_data_2019": "270625567"}
{ "date": "2020-04-13", "day": "13", "month": "4", "year": "2020", "daily_c
onfirmed_cases": "399", "daily_deaths": "46", "confirmed_cases": "4241", "dea
ths": "373", "countries_and_territories": "Indonesia", "geo_id": "ID", "count
ry_territory_code": "IDN", "pop_data_2019": "270625567"}
{ "date": "2020-04-14", "day": "14", "month": "4", "year": "2020", "daily_c
onfirmed_cases": "316", "daily_deaths": "26", "confirmed_cases": "4557", "dea
ths": "399", "countries_and_territories": "Indonesia", "geo_id": "ID", "count
ry_territory_code": "IDN", "pop_data_2019": "270625567"}
{ "date": "2020-04-15", "day": "15", "month": "4", "year": "2020", "daily_c
onfirmed_cases": "282", "daily_deaths": "60", "confirmed_cases": "4839", "dea
ths": "459", "countries_and_territories": "Indonesia", "geo_id": "ID", "count
ry_territory_code": "IDN", "pop_data_2019": "270625567"}
{ "date": "2020-04-17", "day": "17", "month": "4", "year": "2020", "daily_c
onfirmed_cases": "380", "daily_deaths": "27", "confirmed_cases": "5516", "dea
ths": "496", "countries_and_territories": "Indonesia", "geo_id": "ID", "count
ry_territory_code": "IDN", "pop_data_2019": "270625567"}
{ "date": "2020-04-18", "day": "18", "month": "4", "year": "2020", "daily_c
onfirmed_cases": "407", "daily_deaths": "24", "confirmed_cases": "5923", "dea
ths": "520", "countries_and_territories": "Indonesia", "geo_id": "ID", "count
ry_territory_code": "IDN", "pop_data_2019": "270625567"}
```