

# [pre-lab] 카프카 연습

## Instruction

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### Kafka Pub/Sub

- 토픽 생성
- `/usr/local/kafka/bin/kafka-topics.sh --bootstrap-server http://localhost:9092 --topic topic_example --create --partitions 1 --replication-factor 1`
- 토픽 리스트 보기
- `/usr/local/kafka/bin/kafka-topics.sh --bootstrap-server http://localhost:9092 --list`
- 새로운 터미널 창에서 kafka producer 연결 후 메시지 publish
- `/usr/local/kafka/bin/kafka-console-producer.sh --broker-list http://localhost:9092 --topic topic_example`
- 새로운 터미널 창에서 kafka consumer 연결 후 메시지 subscribe
- `/usr/local/kafka/bin/kafka-console-consumer.sh --bootstrap-server http://localhost:9092 --topic topic_example --from-beginning`
- hello world 라는 메시지 publish 해보기

### Kafka Consumer Group & Offsets

- consumer group 목록

```
/usr/local/kafka/bin/kafka-consumer-groups.sh --bootstrap-server http://localhost:9092 --list
```

- consumer group 의 offset 확인

```
/usr/local/kafka/bin/kafka-consumer-groups.sh --bootstrap-server http://localhost:9092 --group <group_id> --describe
```

- consumer group 의 offset 재설정

```
/usr/local/kafka/bin/kafka-consumer-groups.sh --bootstrap-server http://localhost:9092 --group <group_id> --topic topic_example --reset-offsets --to-earliest --execute
```

There are many other resetting options, run `kafka-consumer-groups` for details:

```
--shift-by <positive_or_negative_integer>
--to-current
--to-latest
--to-offset <offset_integer>
--to-datetime <datetime_string>
--by-duration <duration_string>
```

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## CheckPoints

1. topic\_example Topic 생성 ☐
2. topic\_example Topic 에 hello world 라는 메세지 수신 ☐