## Створення топіків

```
from kafka.admin import KafkaAdminClient, NewTopic
       from configs import kafka_config
       admin_client = KafkaAdminClient(
            bootstrap_servers=kafka_config['bootstrap_servers'],
            security_protocol=kafka_config['security_protocol'],
            sasl_mechanism=kafka_config['sasl_mechanism'],
            sasl_plain_username=kafka_config['username'],
            sasl_plain_password=kafka_config['password']
       # Визначення нового топіку
       my_name = "viktoriia"
       topic_names= [f'{my_name}_building_sensors', f'{my_name}_temperature_alerts', f'{my_name}_humidity_alerts']
      building_sensors = NewTopic(name=topic_names[0], num_partitions=2, replication_factor=1)
       temperature_alerts = NewTopic(name=topic_names[1], num_partitions=1, replication_factor=1)
       humidity_alerts = NewTopic(name=topic_names[2], num_partitions=1, replication_factor=1)
       # Створення нового топіку
            admin_client.create_topics(new_topics=[building_sensors, temperature_alerts, humidity_alerts], validate_only=False)
           print(f"Topics {topic_names} created successfully.")
           print(f"An error occurred: {e}")
       [print(topic) for topic in admin_client.list_topics() if my_name in topic]
       admin client.close()
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Message 90 sent to topic 'vika_building_sensors' successfully.
Message 91 sent to topic 'vika_building_sensors' successfully.
Message 92 sent to topic 'vika_building_sensors' successfully.
Message 93 sent to topic 'vika_building_sensors' successfully.
time.sleep(2)
KeyboardInterrupt
PS C:\Projects\data_engineering> & C:/Users/kusiy/anaconda3/envs/data_engineering/python.exe c:/Projects/data_engineering/create_topics.py
Topics ['viktoriia_building_sensors', 'viktoriia_temperature_alerts', 'viktoriia_humidity_alerts'] created successfully.
viktoriia_humidity_alerts
viktoriia_temperature_alerts
viktoriia_building_sensors
PS C:\Projects\data_engineering> []
```

## Відправка повідомлень з 3 датчиків

```
## State Sport Earlian Config Sport Earlian Config
```

## Отримання повідомлень та одразу ж фільтрація і відправка

## Фінальне отримання повідомлень і виведення їх на екран