

https://github.com/myrimur/softarch/tree/micro_mq

client

```
(venv) wojak@wojak:~/ucu/softarch$ python client.py
> post msg1
> post msg2
> post msg3
> post msg4
> post msg5
> post msg6
> post msg7
> post msg8
> post msg9
> post msg10
> get
messages: "logging_service: msg8, msg7, msg4, msg2, msg3, msg5, msg6, msg1, msg9, msg10; messages_service: msg2, msg4, msg6, msg8, msg10"
> get
messages: "logging_service: msg8, msg7, msg4, msg2, msg3, msg5, msg6, msg1, msg9, msg10; messages_service: msg1, msg3, msg5, msg7, msg9"
```

logging-1

```
INFO:root:LoggingService running on [::]:50052
INFO:root:LoggingService.post request: uuid: "f7d2905f-864b-4620-9d47-067b138c1326"
message: "msg1"

INFO:root:LoggingService.post response:
INFO:root:LoggingService.post request: uuid: "f9a7a7c0-8d33-4969-af36-046a8c19093d"
message: "msg3"

INFO:root:LoggingService.post response:
INFO:root:LoggingService.post request: uuid: "387b3468-631b-4fd3-aedf-3dd31f2d187d"
message: "msg5"

INFO:root:LoggingService.post response:
INFO:root:LoggingService.post request: uuid: "a04205d4-a1e3-45f3-91d2-6b61ae16f5cc"
message: "msg9"

INFO:root:LoggingService.post response:
INFO:root:LoggingService.get request:
INFO:root:LoggingService.get response: messages: "msg8, msg7, msg4, msg2, msg3, msg5, msg6, msg1, msg9, msg10"
```

logging-2

```
INFO:root:LoggingService running on [::]:50053
INFO:root:LoggingService.post request: uuid: "c834ee97-8cca-4e5f-9553-af0206bb07e5"
message: "msg2"

INFO:root:LoggingService.post response:
INFO:root:LoggingService.post request: uuid: "2c76176f-e6c2-4265-895e-b42d83d9ccc1"
message: "msg4"

INFO:root:LoggingService.post response:
INFO:root:LoggingService.post request: uuid: "55d4337e-d725-406f-b9e3-e41449747213"
message: "msg8"

INFO:root:LoggingService.post response:
```

logging-3

```
INFO:root:LoggingService running on [::]:50054
INFO:root:LoggingService.post request: uuid: "d8f23793-6eb8-4fbb-8a0a-0c5f56d449d3"
message: "msg6"

INFO:root:LoggingService.post response:
INFO:root:LoggingService.post request: uuid: "446b3113-ba7e-4add-929a-516e5331c0fc"
message: "msg7"

INFO:root:LoggingService.post response:
INFO:root:LoggingService.post request: uuid: "1bfd9498-1850-4480-bff3-c246e3de32bb"
message: "msg10"

INFO:root:LoggingService.post response:
INFO:root:LoggingService.get request:
INFO:root:LoggingService.get response: messages: "msg8, msg7, msg4, msg2, msg3, msg5, msg6, msg1, msg9, msg10"
```

messages-1

```
INFO:root:MessagesService running on [::]:50055
INFO:root:MessagesService.consume: msg1
INFO:root:MessagesService.consume: msg3
INFO:root:MessagesService.consume: msg5
INFO:root:MessagesService.consume: msg7
INFO:root:MessagesService.consume: msg9
INFO:root:MessagesService.get request:
INFO:root:MessagesService.get response: messages: "msg1, msg3, msg5, msg7, msg9"
```

messages-2

```
INFO:root:MessagesService running on [::]:50056
INFO:root:MessagesService.consume: msg2
INFO:root:MessagesService.consume: msg4
INFO:root:MessagesService.consume: msg6
INFO:root:MessagesService.consume: msg8
INFO:root:MessagesService.consume: msg10
INFO:root:MessagesService.get request:
INFO:root:MessagesService.get response: messages: "msg2, msg4, msg6, msg8, msg10"
```