



## Exercise sheet 9 – Process communication 2

### Goals:

- Message queues
- Shared memory

### Exercise 9.1: Message queue log server

- Update the `OS_exercises` repository with `git pull`.
- Change into the `OS_exercises/sheet_09_process_comm2/message_queue` directory.
- Inspect the `log_server_mq.c`.
- Inspect the `log_client_mq.c`.
- Complete `log_client_mq.c`.
- Compile your program into `log_client_mq`. Use the prepared `Makefile` with the target `log_client_mq` for this!
- Start the provided `log_server_mq`.
- Start a separate console to continuously see the log in `log_server_mq.log`.
- Start your `log_client_mq` and send some messages to the `log_server_mq`.

### Exercise 9.2: Shared memory log server

- Change into the `OS_exercises/sheet_09_process_comm2/shared_mem` directory.
- Inspect the `log_server_sm.c`.
- Inspect the `log_client_sm.c`.
- Complete `log_client_sm.c`.
- Compile your program into `log_client_sm`. Use the prepared `Makefile` with the target `log_client_sm` for this!
- Start the provided `log_server_sm`.
- Start a separate console to continuously see the log in `log_server_sm.log`.
- Start your `log_client_sm` and send some messages to the `log_server_sm`.