

Introduction

Initially, you should run **hi-ho** example which can be found under Examples on the course website. For questions regarding the task feel free to send an e-mail to magnushc@ifi.uio.no.

Exercise 1 - Barriers

Program a **barrier** in Emerald with a test program that has four processes that are waiting for the barrier several times. Create print statements that provide information about when a process tries to pass and again when the process has passed. Finally create a process that triggers the barrier three times. Run the program.

Exercise 2 - Producer/Consumer

Program a **producer/consumer** buffer with Emerald. Send the sequence 1..30 through the buffer where the producer and consumer respectively each third and fifth time waiting for 100 ms (hint: `delay`). Create print statements that provide information when an item is inserted into and removed from the buffer. Use an array with space for a maximum of two items.

Delivery

The assignment must be submitted in devilry. The deadline is set to **Sunday 15 February at 23:59**. In addition to the source code you should deliver a `.txt` file with the output from a run of the program. Good luck!