

INF5510 - Distributed Objects

Obligatory assignment 1

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Februar 2012

Introduksjon

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

Oppgave 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.

Oppgave 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.

Levering

The assignment must be submitted in devilry. The deadline is set to **Sunday 20 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!