

INF5510 - Distributed Objects

Mandatory assignment 2

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Introduction

To begin with, try to run the **kilroy** example you find under the Eksempelprogrammer on the course website. Try to understand the code. For questions about the exercises, send email to magnushc@ifi.uio.no and write INF5510 on the subject-field.

Exercise 1 - Break-even by visit

Write and run the program to find the break-even point for visit with objects of a given size. Find break-even for

- 100 byte objects
- 500 byte objects
- 1000 byte objects
- 2000 byte objects

Experiment and find the break-points

Exercise 2 - Time collector

Write and run a program like **kilroy** that visits each active nodes and collects the local time in an array.

Exercise 3 - Time synchronization

Write a program that makes multiple agents through an object/class that will visit each active nodes and use it to collect the time on each machine. Find the median or average of all the time elements the agents collect, so you compute a time synchronized timestamp.

Delivery

The assignment must be submitted in devilry. The deadline is set to **Friday 13. mars at 16.00**. In addition to the source code you should deliver a .txt file with the output from a run of the program. Good luck!