Assignment 2

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Instructions

For compiling the code that was provided in the assignment as well as the code that was edited for solving the exercises, the makefile provided was used. In some cases, the programs would not compile with -std=c++11 flag. This was mentioned in the lectures. If that is the case. Replace the flag with -std=c++0x flag.

We have used *siegnbahn.it.uu.se* for checking that the code runs. The code is structured in the following way:

- Q1
  - *question1.cpp*
  - Makefile

- Q2
  - *question2.cpp*
  - Makefile

- Q4
  - Coarse-grained locking.
    * *benchmark_example.cpp*
    * *benchmark.hpp*
    * *sorted_list.hpp*
    * Makefile
  - Fine-grained locking.
    * Same as above
  - Coarse-grained locking TATAS
    * Same as above
  - fine-grained locking TATAS

* Same as above

  – fine-grained locking using scalable queue lock

    * Same as above

There is a makefile for every question and subquestion. To check a question just navigate to the corresponding code and run:

*Make PROG=**filename***

Where **filename** is the name of the C++ file to compile.