

Recommendations for the report for Oblig4, v19, IN3030

Eric Jul, April 2019

Oblig 4: Radix sorting

Further requirements

- When printing timing values make sure to print the correct unit, we recommend using ms.
- Do not forget to have the program print speedup ratios.
- Speedups must be for the same basic algorithm for both sequential and parallel measurements.
- The program should be thread-safe.
- The program should print good error messages, if it is given incorrect/missing parameters.
- Use good programming style, e.g., proper indentations, good variable names, etc.
- The report should be handed in as a PDF file.
- The program should be handed in contained in a zip-file.
- The program should be easily runnable without using any special software, e.g., just a shell and Java.

The report should contain:

1. Introduction – *what this report is about*
2. User guide – *how to run your program (short, but essential), include a very simple example. Do not forget to describe the parameter line arguments to the program. Also include any instructions necessary to BUILD the program.*
3. Parallel Radix sort – *how you did the parallelization – consider including drawings*
4. Implementation – *a somewhat detailed description of how your Java program works & how tested*
5. Measurements – *includes discussion, tables, graphs of speedups, number of cores used*
6. Conclusion – *just a short summary of what you have achieved*