

Performance Oriented Computing - Sheet 12

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1 Task 1: Setup and Basic Execution

Goal of this task was to download and build lua and execute the ‘fib.lua’ benchmark. Steps:

- Get the latest lua version

```
wget https://github.com/PeterTh/perf-oriented-dev/blob/master/lua/fib.lua
```

- Build lua using make.
- Execute the benchmark.
- Results:

```
100 x fibonacci_naive(30)      time:  18.2945 s  --  832040
10000000 x fibonacci_tail(30) time:  17.2246 s  --  832040
25000000 x fibonacci_iter(30) time:  14.9098 s  --  832040
```

2 Task 2: Profiling

PASS

3 Task 3: Code Understanding

PASS

4 Task 4: Optimization

PASS