Here are the resources that I used for Day 3:
Execution Time:

- RUSAGE: https://www.man7.org/linux/man-pages/man2/getrusage.2.html
- Timespec: https://www.man7.org/linux/man-pages/man3/timespec.3type.html
- clock_gettime: https://www.man7.org/linux/man-pages/man2/clock_gettime.2.html

Ticks:

- RDTSC and RDTSCP: https://cis.temple.edu/~qzeng/cis3207-spring18/files/ia-32-ia-64-benchmark-code-execution-paper.pdf

Note: While running any code with RDTSC, we generally prefer to "pin" the process to a particular CPU. And, doing that means the process should also be threaded on a single CPU core only as it can't migrate to other hardware cores.
$> taskset -c <core number> <executable>
for e.g. if your cpu has 64 cores, you can run on any cores between 0 to 63, to check the available cores you may use lscpu command.
$>ʻ gcc benchmark_sample.c -I..
$> taskset -c 2 ./a.out
It will bind the program on core 2, if core 2 is available in the CPU.

Find the used codes here: https://github.com/iamsubhrajit10/Code-Profiling-and-Optimization/tree/main/03_measurements