Lab 4 – Futures And Continuations

The main difference between the 3 versions of the program is that the first one uses the event-driven mechanism with callbacks and the last two use tasks, with the third one introducing the async / await approach.

Laptop: ASUS Strix 15 GL503GE
OS: PopOS 21.04
Kernel: x86_64 Linux 5.13.0-7614-generic
CPU: Intel i7-8750H (12) @ 4.100GHz
GPU: NVIDIA GeForce GTX 1050 Ti

Results:

Callbacks → 0.460s

Tasks → 0.217s

Async/await → 0.191s