20875 Software Engineering

Tutorial 6

- 1. We want to implement a fast matrix multiply code for medium-sized matrices (e.g. 1000×1000). Download matmul_0.c, and implement the code of the function matrix_multiply().
 - Then, find performance issues and, if possible, improve the implementation.
- 2. We read (from standard input) a stream of bytes as unsigned 8-bit integers. We want to filter those integers, and write (to standard output) only some of them. Specifically, we write those who are divisors of 873248763249102240.
 - Download filter_O.c, and implement the code of the function filter().
 - Then, find performance issues and, if possible, improve the implementation.