Lab 14 – Modules & Unit Tests

Exercise 1. String - unit tests

Using google tests or boost tests write unit tests for String class from the exercise 4.2.

It should cover all public methods.
How to check copy on change semantics?

Exercise 2. Module with Vector

Define C++20 module with template class Vector from Lab 7 and all Traits and Policies.

Move them to emcpp namespace.

All Makefile or CmakeList.txt files that will compile a separate library with instantiation of Vector class for int, double, string with SafePolicy.

In module interface disable compilation of those instantiation using extern keyword.

Prepare also main function that will import module and use Vector classes.