Advanced Programming in C++ Winter Semester 2023

HOMEWORK 4: Macros

- 1. Create a console-based application for sorting decimal numbers using quick sort and then convert the number to binary. You should utilize Object/Function like macros.
- 2. Create a simple calculator application that is capable to add and multiply up to four operators using only variadic macros. Use unique identifiers for each operation to invoke the correct macro function.
- 3. List and describe at least five possible ways to utilize macros in C++. Explain if other languages (such as Java) use macros and what is the main benefit of the utilization of macros.