



Exercise Sheet 2. Advanced Programming

Exercise 1. Generic Programming

Pull <https://github.com/AdrianBajraktari/oose24.git> to get a Java template for this exercise (in `src/exercise2/a1/GenericCopy.java`). Implement a generic class method `copy` that takes in a source list and a destination list as parameters. In your copy method, elements from the source list are copied to the destination list. Think about how you might need wildcards.

[0 points]

Exercise 2. Memory Management

Get the C template code from <https://github.com/AdrianBajraktari/oose24.git>. In the file `Pointer.c`, you will find different procedures for printing arrays, and comparing elements based on different heuristics. Your task is to implement a simple sorting algorithm, like bubblesort, for an integer array. However, you must make the condition under which a swap happens exchangeable, e.g., by the three heuristics in the template. You may use a function pointer for this.

Hint: The typing of all predefined procedures are the same, so that you can easily derive the types of the function pointer.

Hint: Use CLion as IDE for C/C++.

[0 points]

Σ 0.0 points