
Lab 11 - Genericity

Introduction to generics

AdaCore

The purpose of this exercise is to genericize some existing algorithms.

Question 1

The `Swaps` package contains a `Swap` procedure that takes `Integer` parameters.

Try to genericize it as much as you can by creating a `Swap_Generics` package with a generic `Swap` procedure

Question 2

The `Sorts` package provides types and procedures used to sort lists of `Integers`.

Create a generic `Sort_Generics` package that provide sorting capabilities for lists containing any scalar type.

Question 3

Modify the `Sort_Generics` package to allow sorting capabilities for lists containing any type (including non-scalar types).

Find a way to resolve the problem that comes with the use of `'Image` in `Sort_Generics.Display_List`.