

Fall 2022: CS 203 - Object-Oriented Programming

Lab12

Objectives:

- Learn how to create Generic classes and Generic methods

Problem 1

- Write a static generic method that
 - Takes in an array of type T
 - Computes the minimum and maximum elements of the array of type T
 - Returns a pair containing the minimum and maximum value

Problem 2

- Write a static generic method that
 - Takes in an array of type T
 - Computes the average and sum of elements of the array of type T
 - Returns a pair containing the average and sum value

Hints:

- Remember, generics lets us choose types *at the moment of the object's creation*, so we should be able to call your methods with both `ArrayList<Integer>` and `ArrayList<Double>`
- Regardless of the type of our parameters, generics lets your method handle the computation whether they are ints or floats

Deliverables: JAVA project files

Grade: Problem 1 = 50 points

Problem 20 points

Good Luck