

812341A Object Oriented Programming spring 2018,
weekly assignment 4

The assignment shall be returned not later than 6.5.2018 klo 23.55

In this assignment, a container class for property insurance information is implemented. First, construct a class **Property** describing property information with attributes for property's type, and location (both can be of type String). Then construct class **InsuranceInfo** that describes property's value insured. It's one attribute is Property object and other attribute is the value insured (double). Finally construct the container class **InsInfoContainer** that stores InsuranceInfo objects in a vector container (Vector is defined in the java.util.Vector). Implement the following methods in the container class:

- Method to insert an InsuranceInfo object into the container.
- Method to print all the contents of the container.
- Method to print information of the properties whose value insured is greater than a boundary value given as a parameter to the method. Also the value shall be printed.
- Method to print information of the properties whose value insured is less than a boundary value given as a parameter to the method. Also the value shall be printed.

Write a main program to test the container class. Main program shall contain at least the following operations:

1. Store at least five InsuranceInfo objects in the container.
2. Print the entire content of the container.
3. Read a numeric input from the keyboard and print from the container information of the properties whose value insured is greater than the input.
4. Read a numeric input from the keyboard and print from the container information of the properties whose value insured is less than the input.

Define the classes in dedicated files and the main program in one code file (Wa4main.java).