CSE100 Algorithm Design and Analysis Last update: 2/10/2020

Last update: 2/10/2020 Deadline: See Catcourses

Lab 04-1, Fall 2021

Heap-Sort

Description In this lab assignment (lab 04-1), your job is to implement heap-sort. This is the first half of lab 04 and is worth 50 points.

Input structure The input starts with an integer number which indicates the number of elements (integers) to be sorted, n. Then, the elements follow, one per line.

Output the elements in non-decreasing order. Each element must be followed by ;.

Examples of input and output:

Note that the output has only one line and has no white characters.

See the lab guidelines for submission/grading, etc., which can be found in Files/Labs.