

CSCI 2235

Programming Project 01 - Sort Comparison Grading Key

Solution Key

Assigned: September 02, 2019
Due: September 27, 2019 @ 23:00h

1. Each student should have submitted a zip file which contains at least their src directory, the build.gradle file, and a PDF file containing the answers to part 1 and the results writeup for part 2 in MLA format.
2. If the above files are not found the following deductions can be made:
 - If there is no src directory, or they simply provided their .java files (-25 points)
 - If there is no PDF file (-25 points)

1 Grading (50 Points)

1. You will need gradle installed to evaluate their projects.
2. The algorithms are evaluated by executing the following command in the root directory of their project: `$ gradle test`
 - For each test that fails use the grading point value below to assess
3. The remainder of this section is based on their writeup.
 - 15 points: Their writeup is well written (contains paragraphs, minimal grammatical mistakes, and generally readable) presentation of a logical and sound description of the results of executing the algorithms. They should have included a chart depicting the results of their experiment and an analysis of these results discussing what they found and comparing their results of the algorithms.
 - 5 Points for the readability of the writeup
 - 5 Points for the writeup of the experiment
 - 5 Points for the discussion of the results
 - Note if they do not put their name at the top of the writeup, they lose 15 points for the writeup.
 - (2.5 points) Insertion Sort implemented correctly.
 - (2.5 points) Selection Sort implemented correctly.
 - (5 points) Merge Sort implemented correctly.
 - (5 points) Quick Sort implemented correctly.
 - (10 points) Tim Sort implemented correctly.
 - (10 points) Hybrid Sort implemented correctly.
 - (15 points) Writeup