**Chapter 1 Exercise**

**Score Analysis**

Directions: Write a text-based program in Java that shall read in a list of integers, store the integers in an array, pass the array to three score analysis functions, and print the returned results on the standard output device along with a label describing the result (i.e. “Minimum Score:” ).

The user shall not be prompted for any information. The input shall be read from the standard input device and shall consist of a starting positive integer denoting the number of scores in the list followed by the scores. Each score shall be a positive integer separated from the other integers by one of more spaces. All input shall be assumed to be valid and in the correct format.

The three functions shall be calculations for the minimum value, the maximum value, and the average value. The average value shall be calculated as a floating-point number and shall be printed with one decimal place of precision.

Put your completed Java source code files into a single zip file. Then submit your zip file on the course website.