SOFE 3980U

Software Quality

Assignment 3: Report

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Firstly, I checked the program for any pieces of code that would not be used to achieve the goal of the program. I found the count and sum would have no use in the program, so I removed any references to them. I also changed the smallest value assignment to the largest integer and largest value assignment to the smallest integer. See figures 1 and 2 below.

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Secondly, I found that the NumberList constructor was not useful to the program, so I removed that and any references to it. The NumberList constructor performed the same function as the newValue function. Since the NumberList constructor was removed, the import for the Math package could also be removed. See figure 3 below.

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Thirdly, I removed the else if clause for just an if statement, so that the first value is saved as both the largest and smallest value to provide an accurate check. See figure 4 below.

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Lastly, in the test file, I removed the calls to an undefined function addValue, create an input variable, then added a for loop to take input of four numbers and called the newValue function to test the inputs. See figure 5 below.

A screenshot of a computer

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Figure