SOLAR NATALIA Asg04.docx

Assignment 4 Feedback

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Input Validation Methods20 pts.Pattern Display Method30 pts.Random Numbers in Files Method20 pts.File Analysis30 pts.
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TOTAL: 100 pts.

Total Score 97/100

Input Validation Methods

20/20

Pattern Display Method 30/30

Random Numbers in Files

20/20

File Analysis

27/30

Commented [AV1]: All good except for this initialization.
Definitely not going to work on a job interview!
Error- generating case #1: All numbers in file are negative. Then the
"dummy" greatest value becomes an actual greatest in the set.
Error- generating case #2: All values in file are larger than 55. Your
choice of initial value for smallest makes it the smallest value of all.
The right way to do it: read the first value from file – make it to be
smallest & largest. When doing that consider a possible issue: file
you are reading from might be empty.

```
number = Integer.parseInt(inputFile.nextLine());
   if (number>greatest)//check if the number is bigger than the previous number
       greatest = number;//set the number to be the greatest
  else if (number<smallest) //check if the number is smaller than the previous</pre>
     smallest = number; //set the number to be the smallest
   total += number;
   counter ++; //increment the counter
inputFile.close();
PrintWriter outputFile = new PrintWriter(outputFileName);
outputFile.println("Numeric data file name: " + inputFileName);
outputFile.println("Number of integers: " + counter);
outputFile.println("The total of all integers in file: " +total);
outputFile.println("The largest integer in the set: "+greatest);
outputFile.println("The smallest integer in the set: " + smallest);
outputFile.close();
return counter;
```