

ENGINEER 1D04
Engineering Computation
McMaster University, Winter 2010

Lab 9 Marked Assignment 4 Solution
Wednesday Lab

Revised: 19 March 2010

Correctness

Using the test file `L9TestFile.txt`, the `Read Input File` should display the contents of the file in a message as

```
5.6
3.56
1.12
-.56
.56
-2.3
-12.9
12.0
16.8
-21.8
-21.8
0.0
0.0
2.56
8.98
11.8
-6.78
-5.5
-14.5
5.6
3.56
-.4
```

and the `Calculate` button should display 15 in the output label box.

Design Question

In order to write the output value to a file, two changes would be needed:

1. The user interface would need to provide a way for the user to enter a file name for the output file. (This could be the same way that a file name for the input file is entered.)

2. The `writeOutput` method would have to be changed to take a file name as a second parameter and write the output result to the file with that name.

Testing Question

No. The code should work exactly the same regardless of what the size of the file is. Therefore, it would be reasonable for most of the test files to be relatively small.